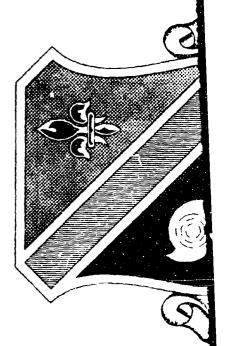
# SOUTHEAST ASIA PRECIPITATION ANALYSES



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## INTRODUCTION

six precipitation parameters -- maximum, mean, minimum and 24-hour maximum precipitation amounts in inches and number of days with 1 Weather Wing Special Study 105-11P, Southeast Asia Precipitation Analysis, contains monthly and annual isoline analyses of precipitation and thunderstorms. The analyses are drawn on a 1:5,000,000 base chart.

at any given time may deviate considerably from the mean. The charts are intended primarily as a planning and and, due to the limitations imposed by map scale and lack of observational data in many regions, no attempt should be made to utilize them as a source of point data. The main value of the charts is in permitting a rapid comparison of one region with another and/or providing some idea of the absolute magnitude of the various parameters in this area of the world. For further interpretation of the The analyses present mean values only and considerable care should be exercised in their application. Actual observed values charts and/or additional support in planning, consult your nearest Mr Weather Service representative or write to Mg, 1 Wea Wg

3. The methodology employed in analyzing the charts gave the greatest consideration possible to the influence of terrain upon sach parameter by virtue of overlaying the plotted charts on a terrain map during the analysis. Considering present knowledge of the influence of terrain upon climate and the general paucity of observation stations outside valiey or coastal locations, this technique is considered to yield the most accurate possible analysis under the circumstances.

The data used in preparing the charts were taken from one or more of the following sources:

- "N" Summaries
- Uniform summaries of surface waather observations ءُ
- 1 Wea Wg Forms 80 (Monthly weather summary for supported bases) ů
- Meteorological data book for Asia Volume 2 Philippines, Indochina, Thailand, Burma, Malaysia and India ď
  - Climatic data tabulation (Thailand, Laos, Cambodia, North Vietnam and South Vietnam) ó
    - Special summaries (micro cards) 4
- Annual resume of weather Indochina å
- Climate of Thailand, North Vietnam and South Vietnam ŗ.
- The rainfall of Thailand ٠**.**
- Monthly and Annual rainfall of Thailand with departure from normal (for the period of record 1911 to 1960)
  - Climatic Brief of Thailand, Laos, Cambodia, North Vietnam and South Vietnam فد
    - 1 Weather Wing Climatic Brief 1.

5. The longest period of record available from each station was altays used and usually exceeded 20 years. A breakdown of the number of stations and their pariods of record in years for each country is listed below:

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1. 1 Weather Wing Climatic Brief

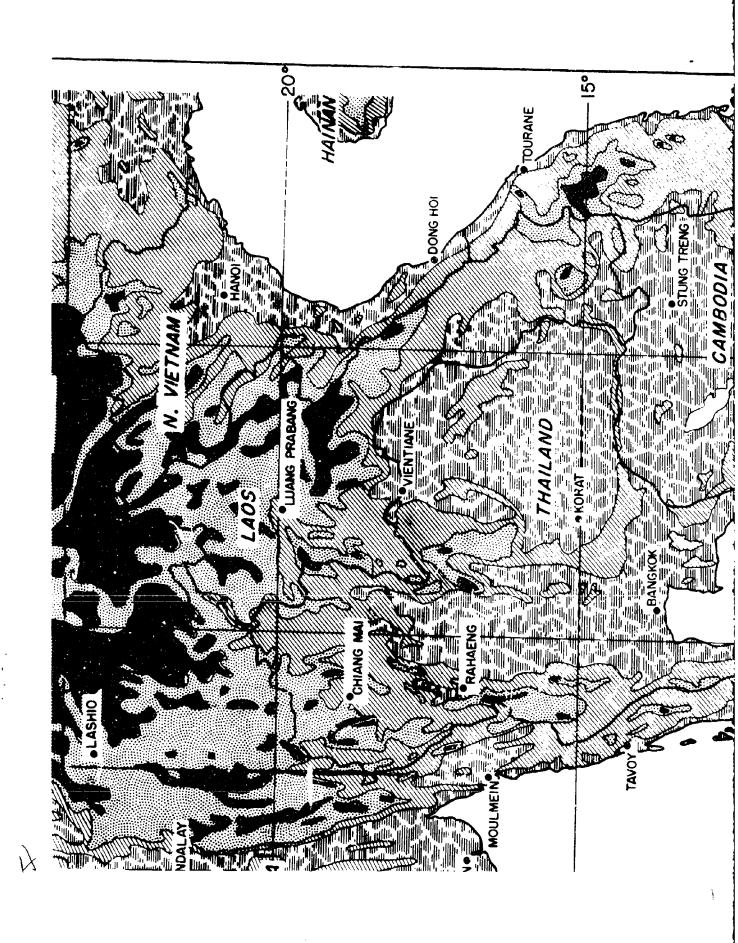
5. The longest period of record available from each station was always used and usually exceeded 20 years. A breakdown of the number of stations and their periods of record in years for each country is listed below:

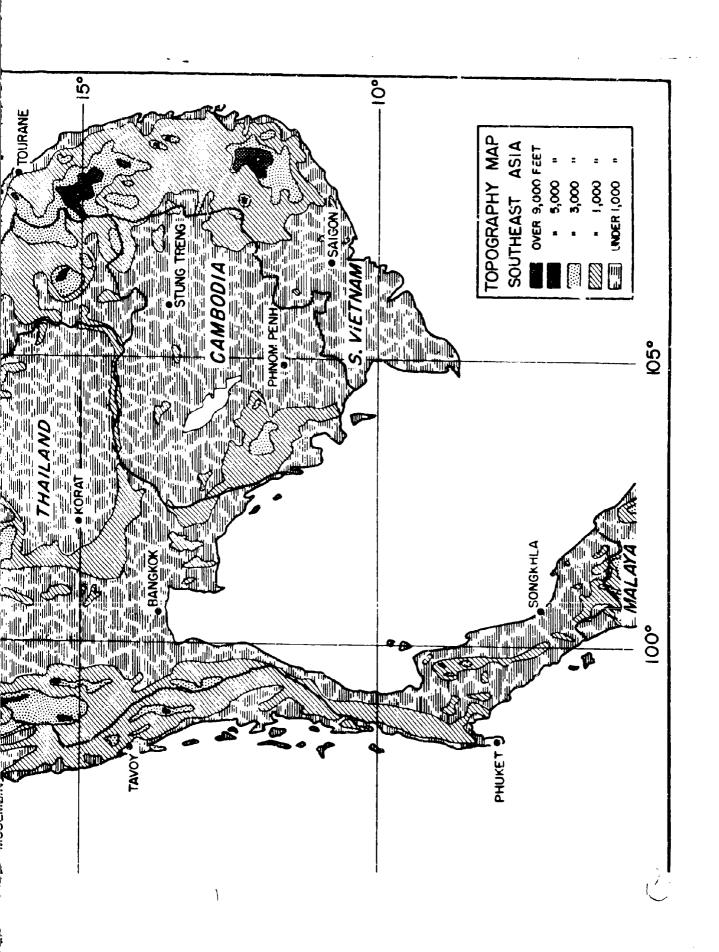
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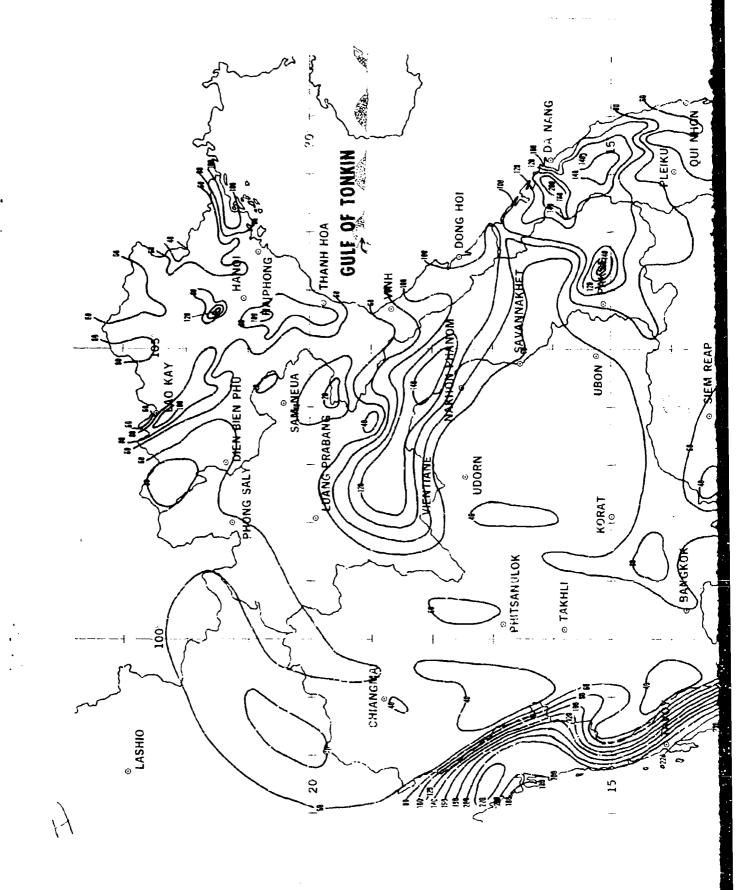
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II	Maximum Precipitation (Annual and monthly)	1 - 13			
III	Minimum Precipitation (Annual and monthly)	<b>27 ~</b> 39			
IV	Mean Number of Days with Precipitation (Annual and monthly)	40 - 52			
v	Maximum 24-hour Precipitation (Annual and monthly)	53 - 65			
VI	Mean Number of Days with Thunderstorms (Annual and monthly)	66 - 78			

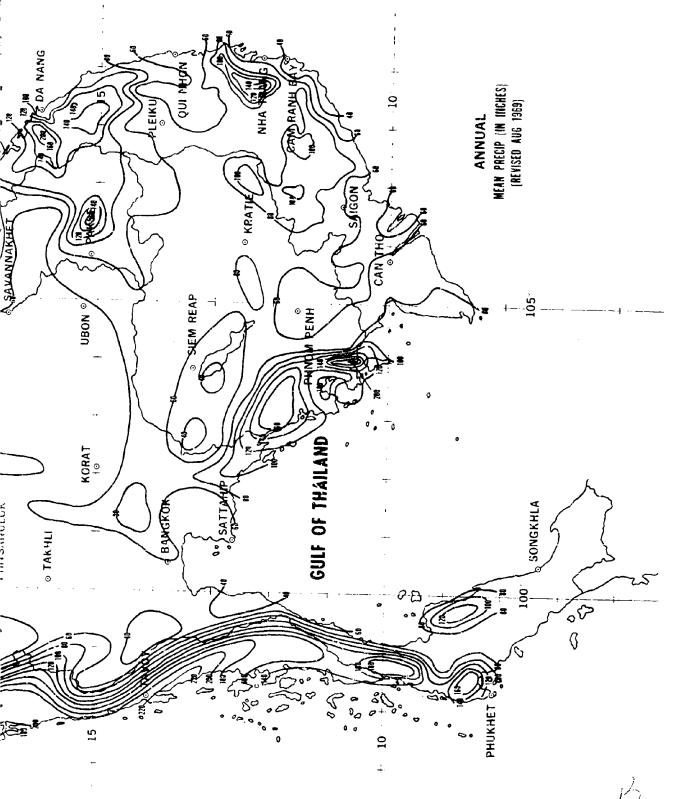


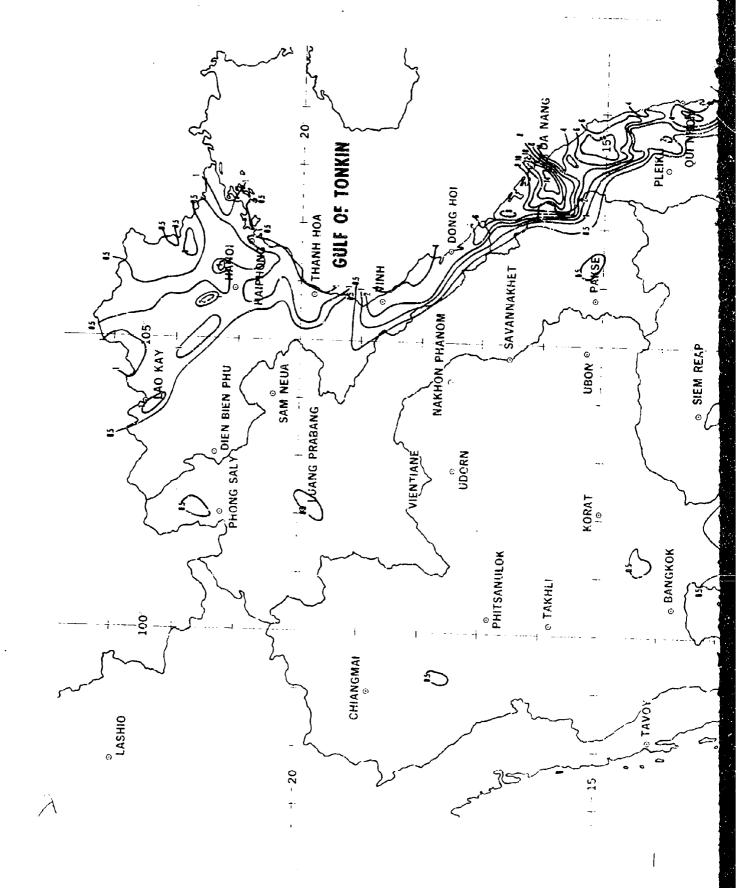


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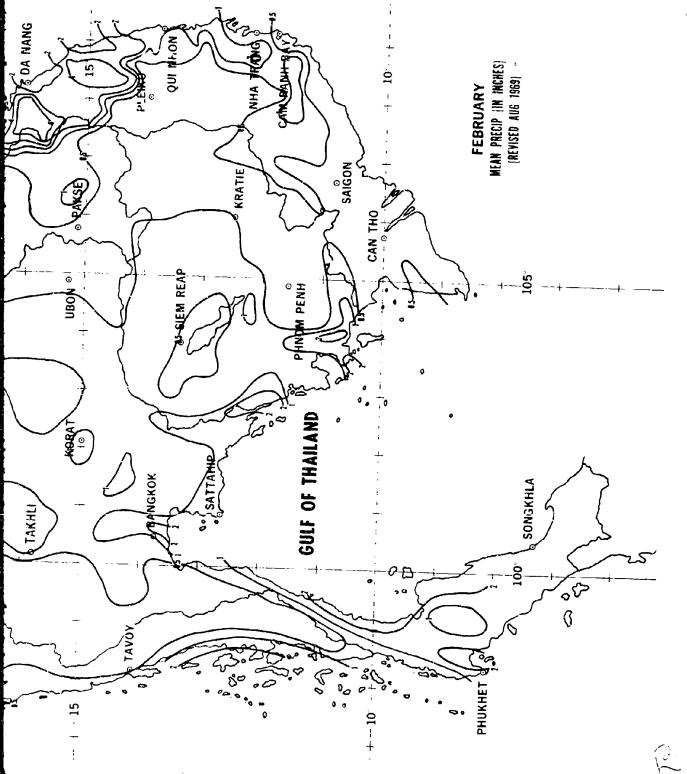
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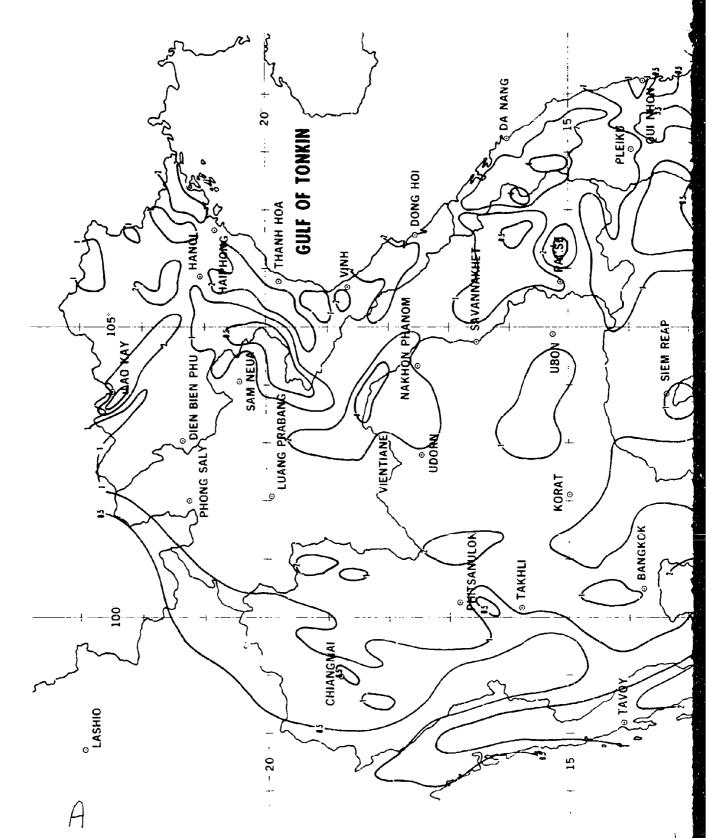






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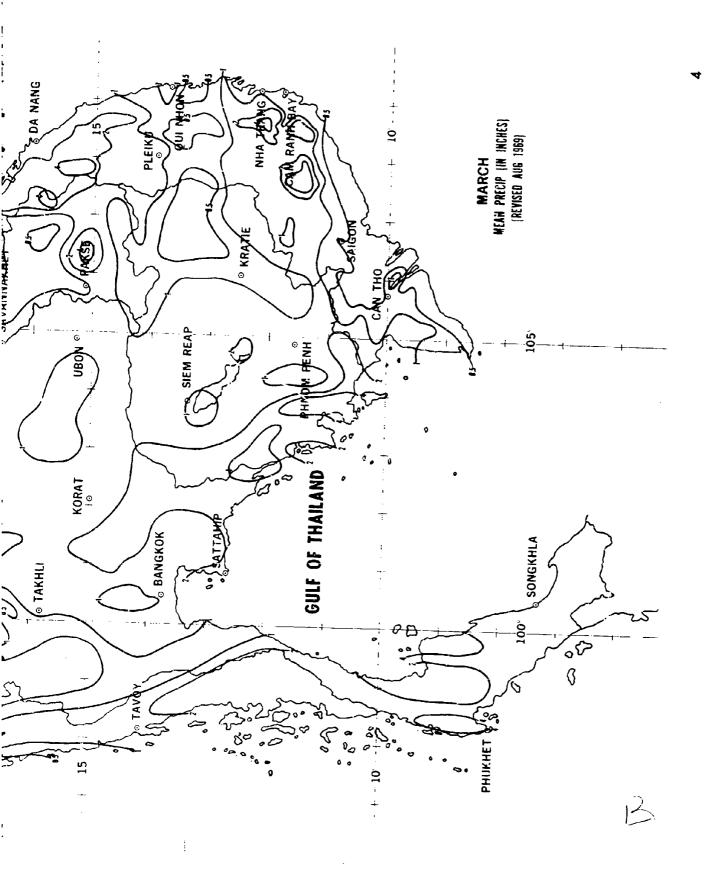




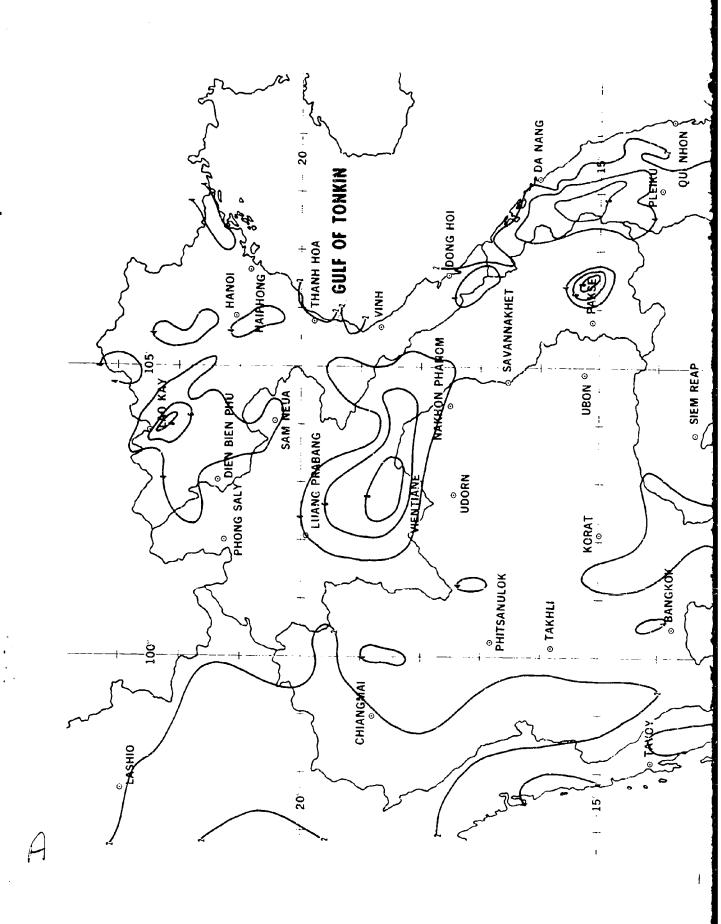
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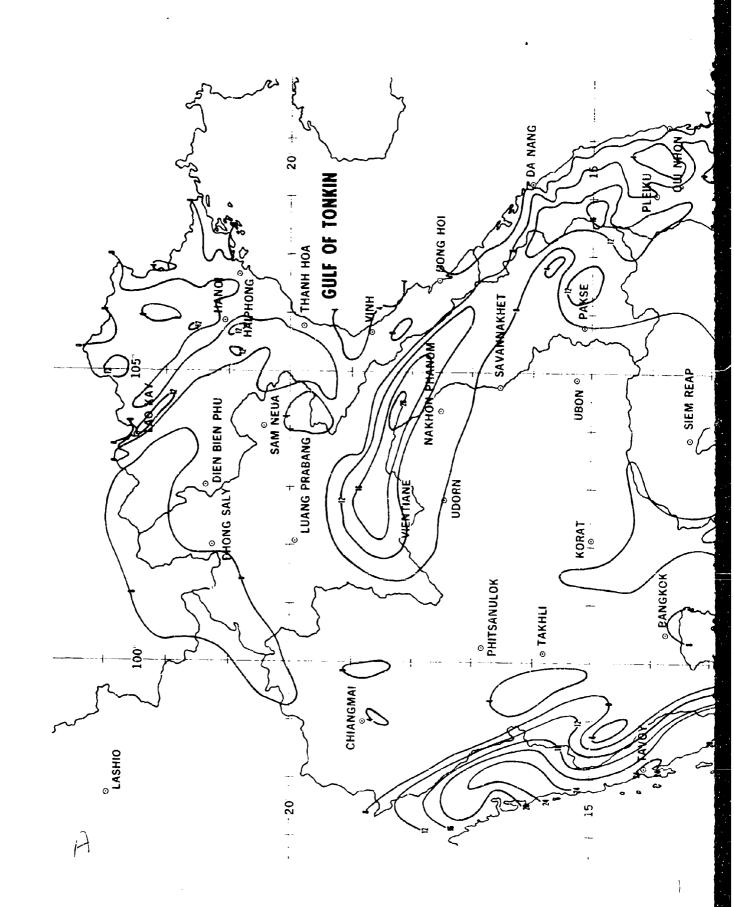
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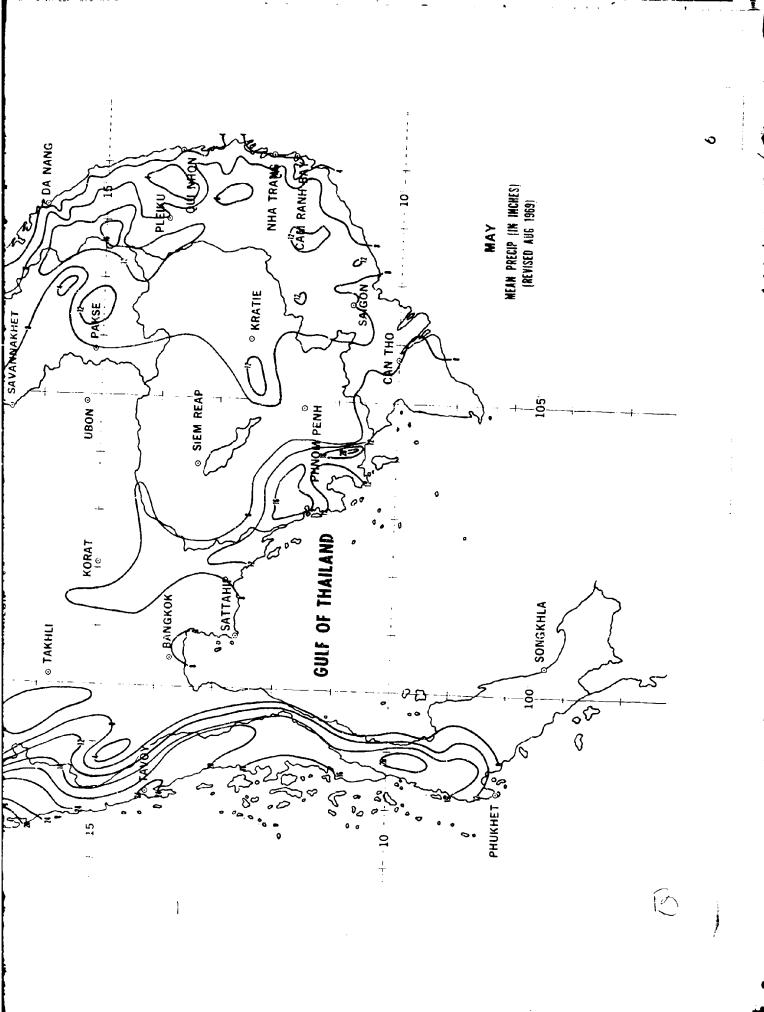
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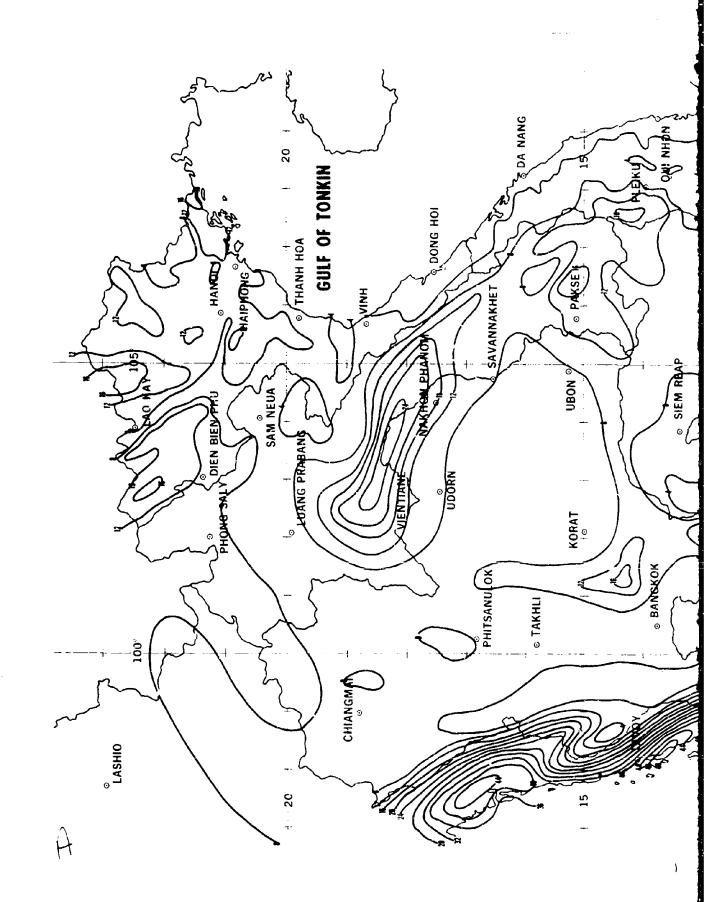


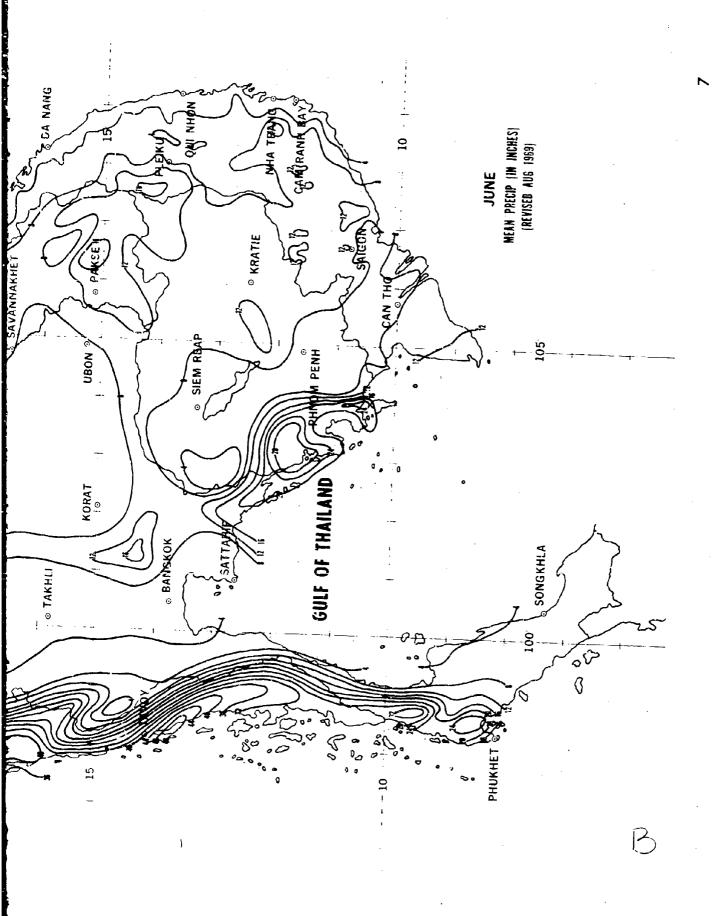
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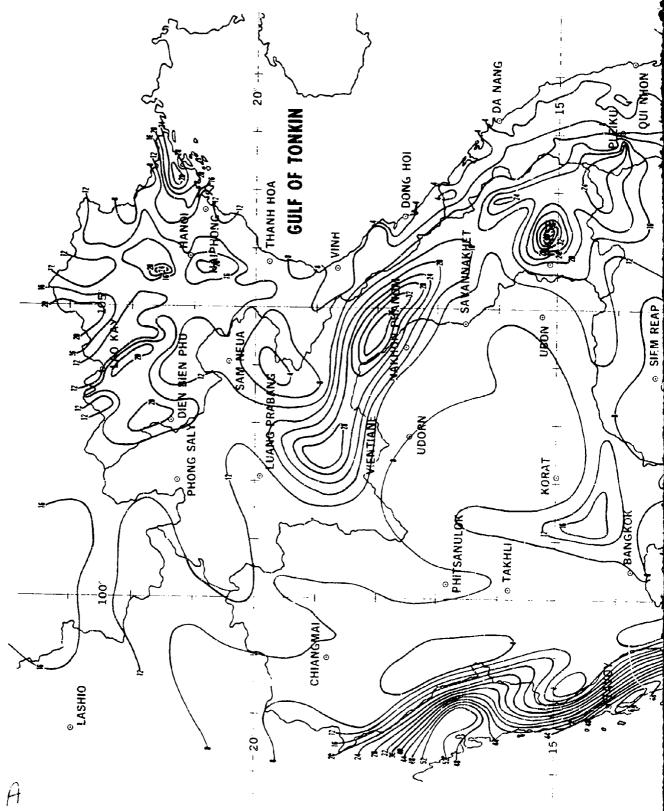


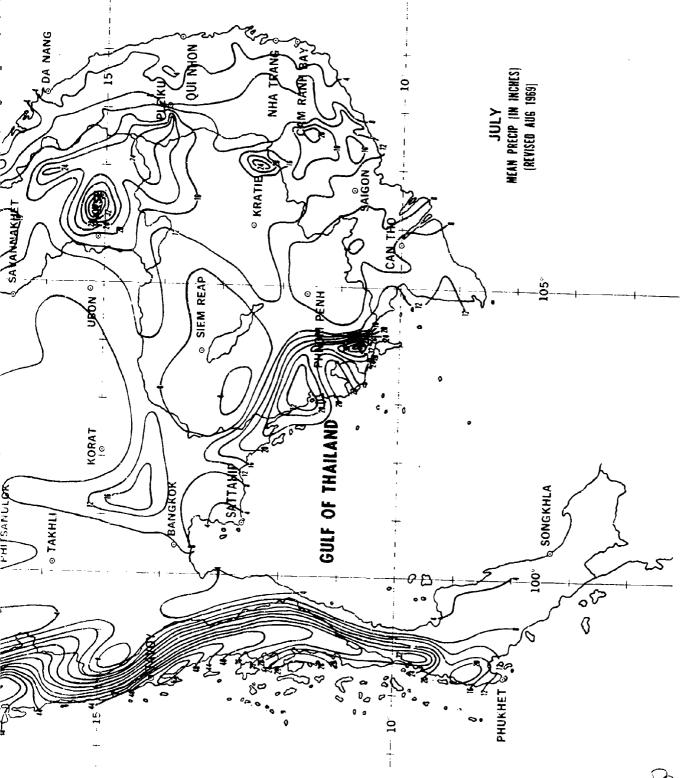




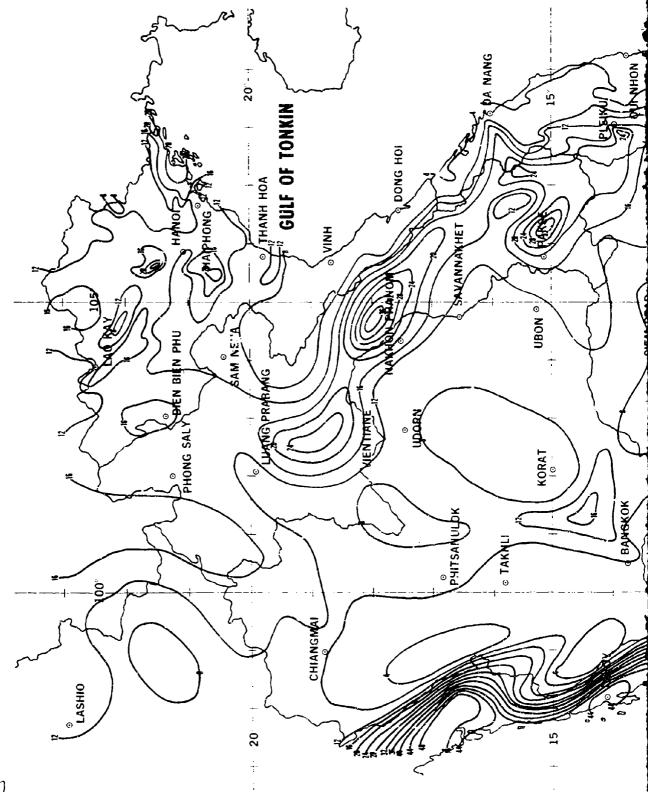




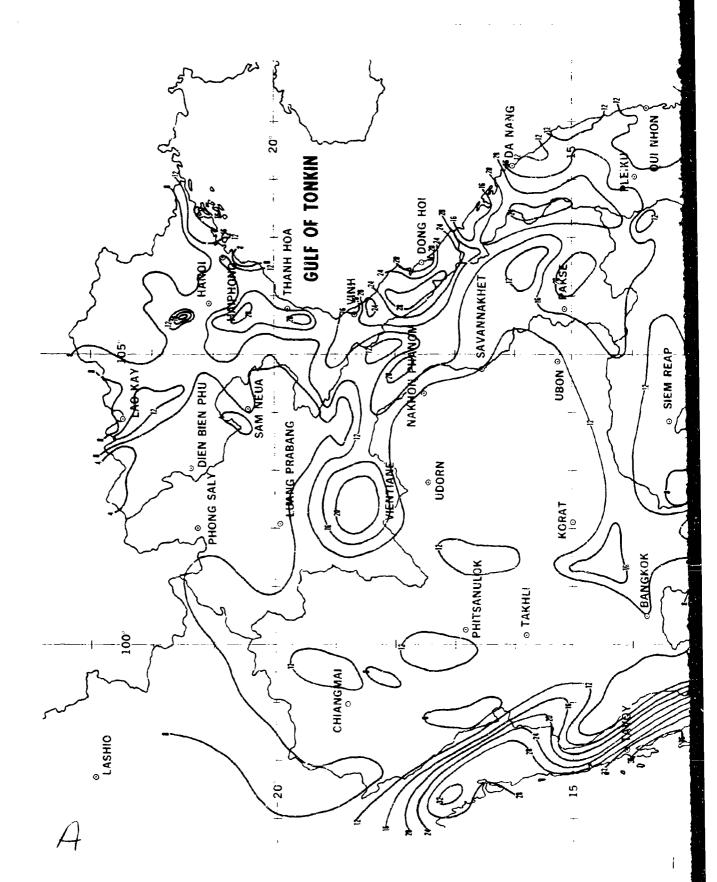




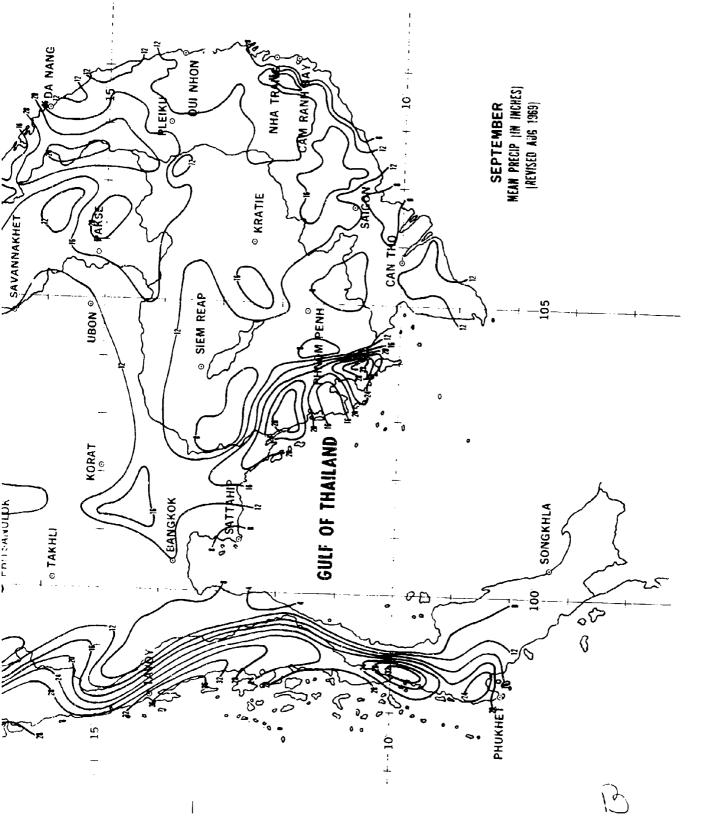
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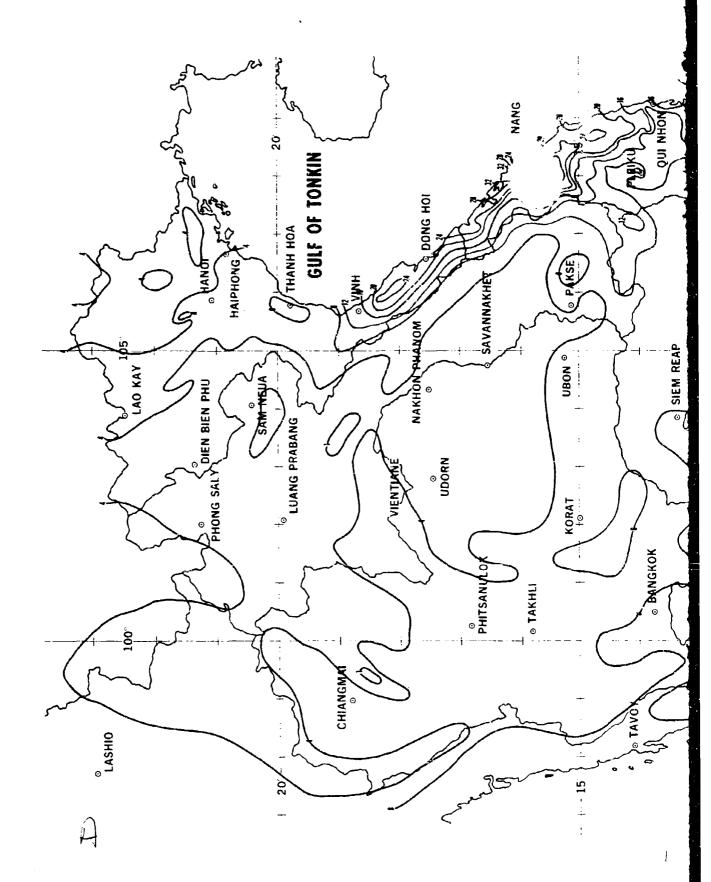


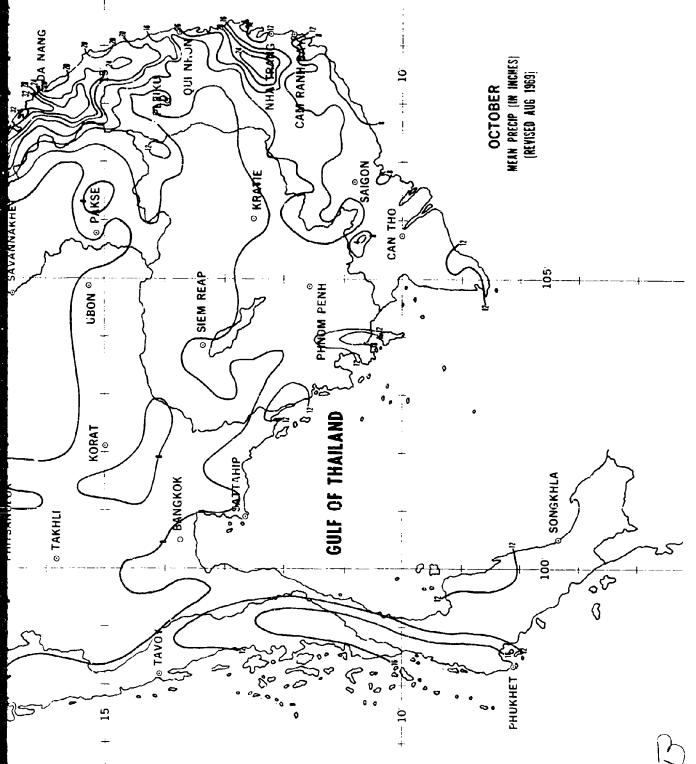
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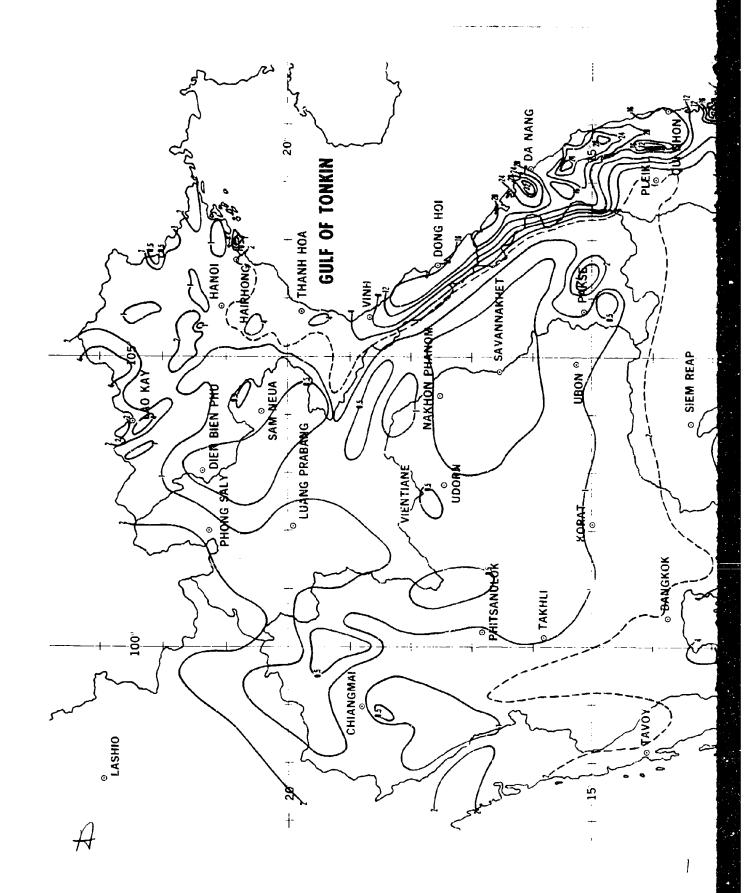


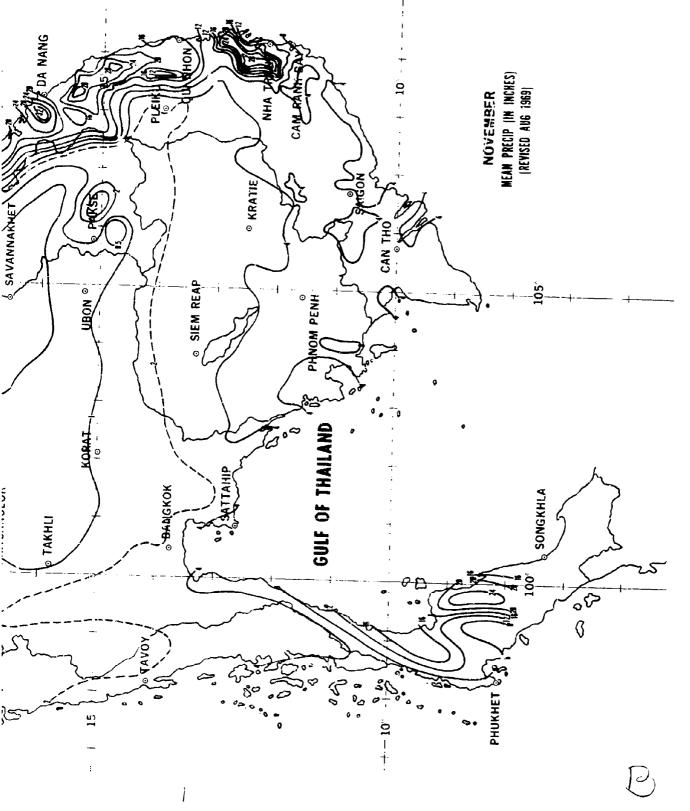
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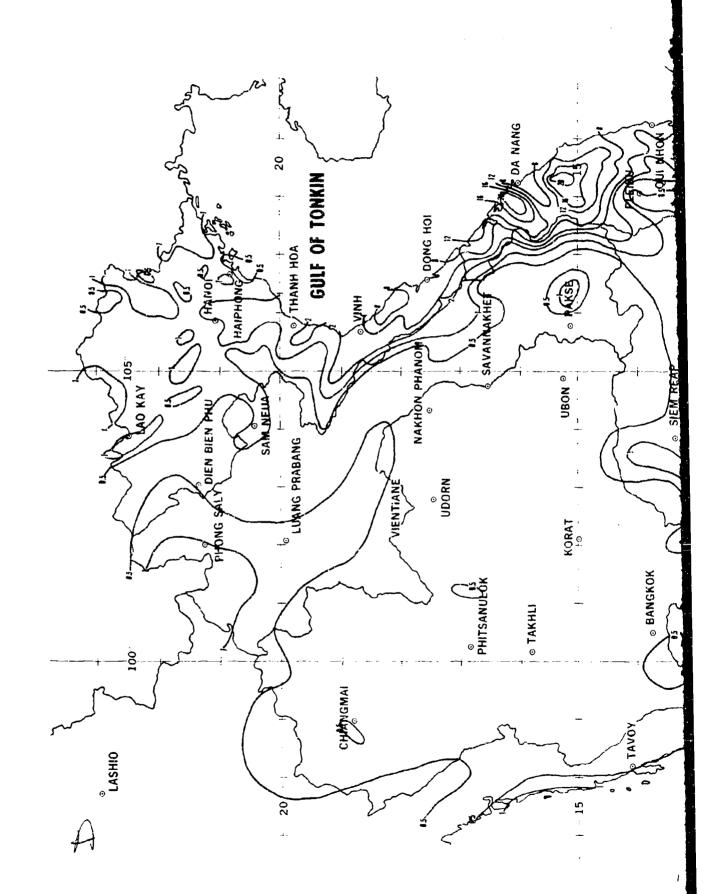






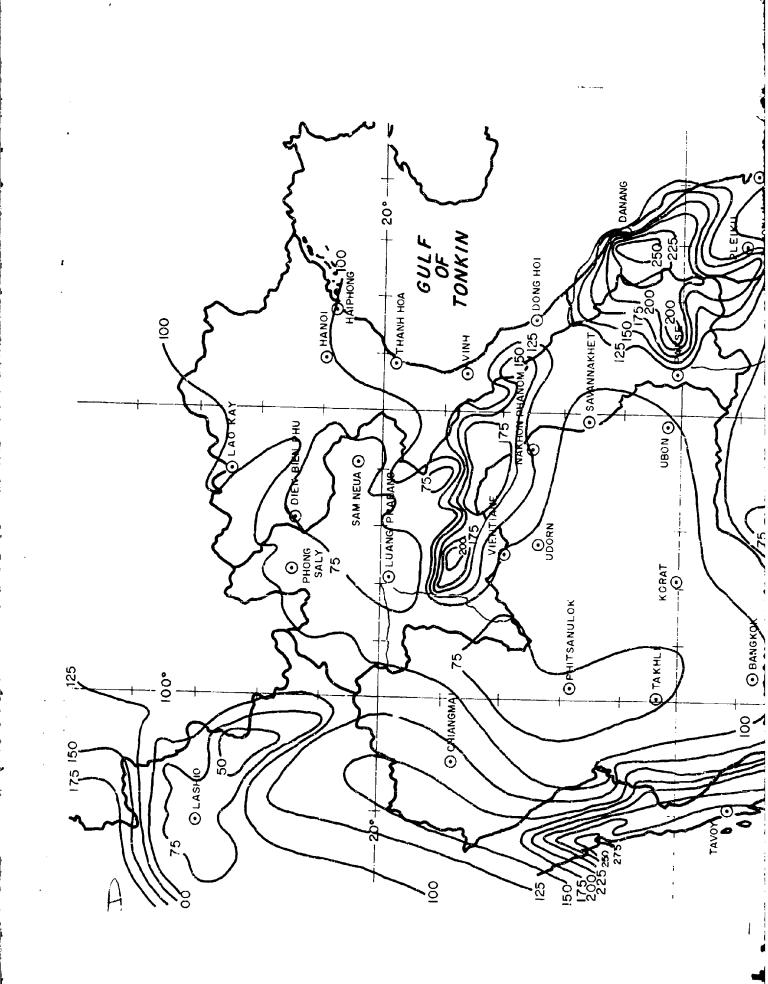


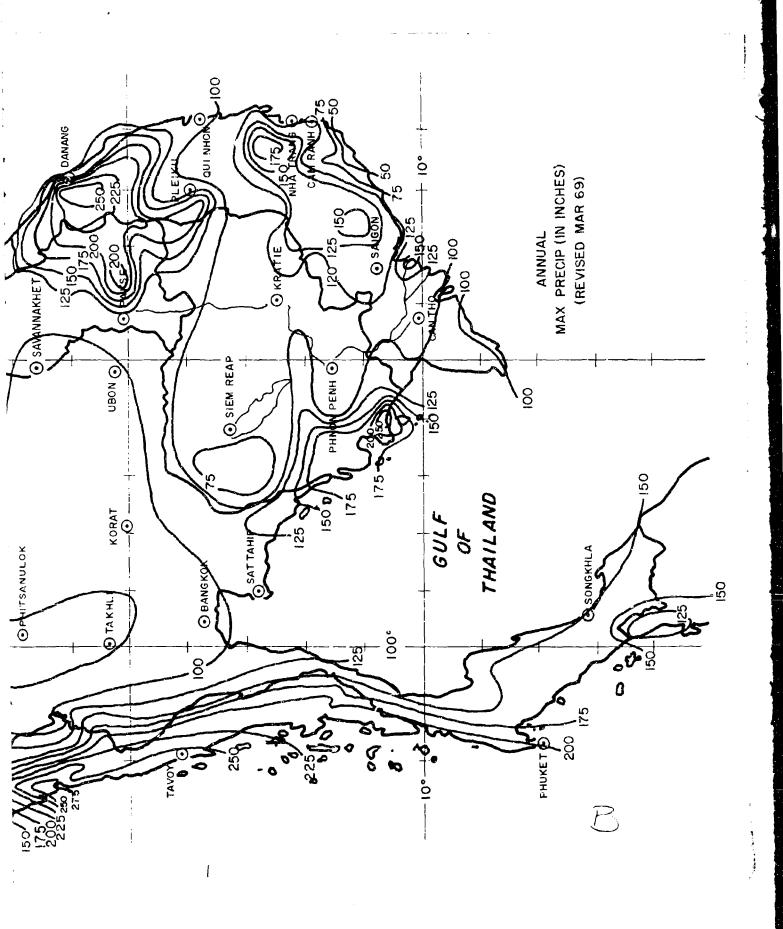


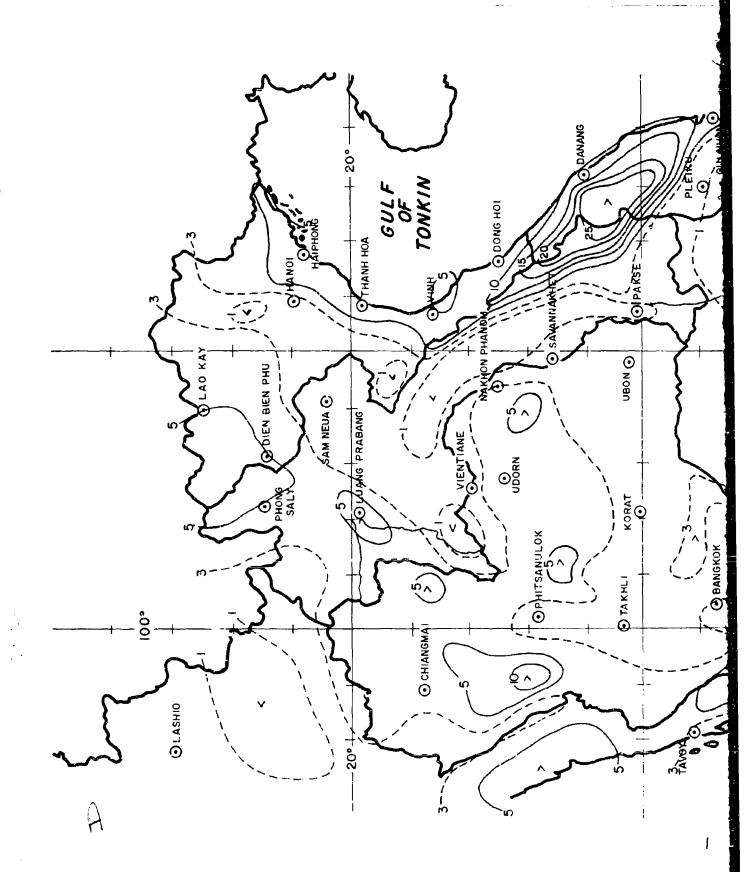


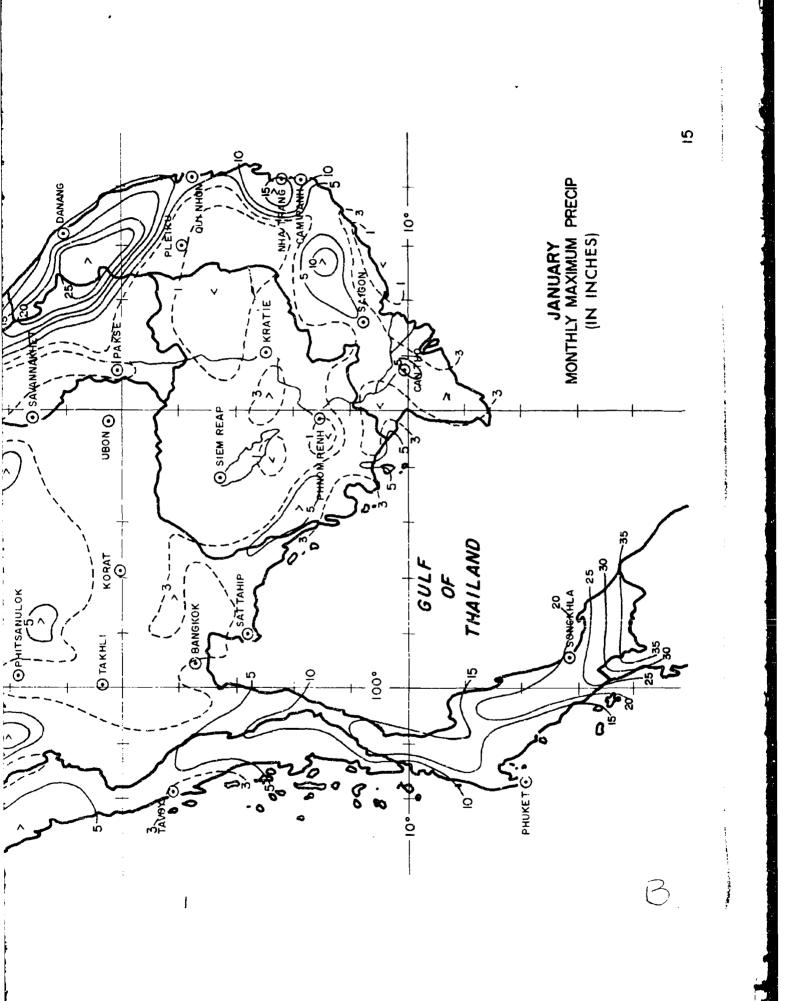
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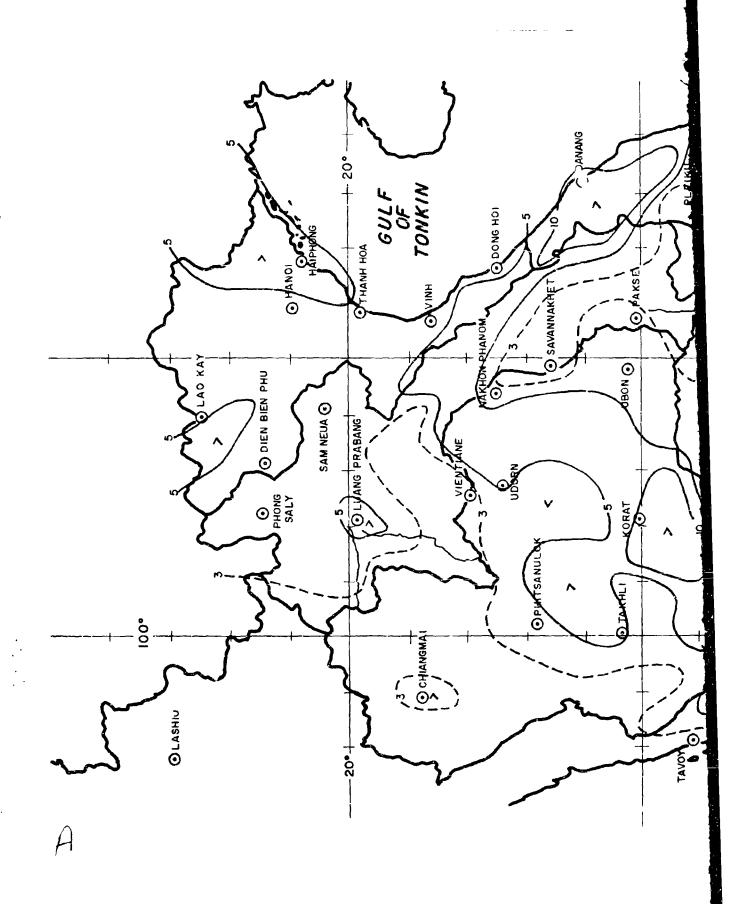
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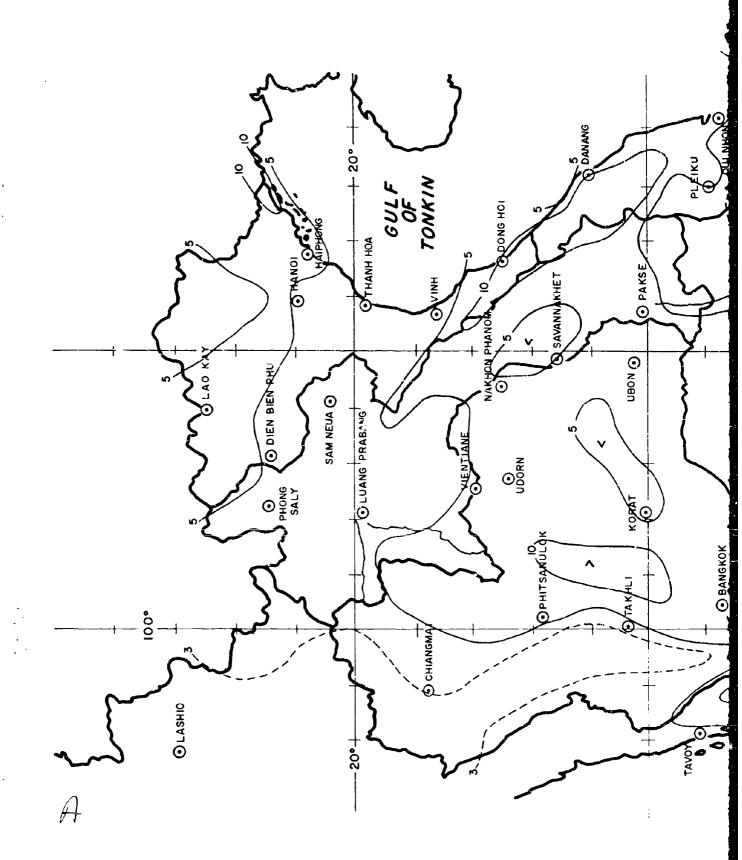


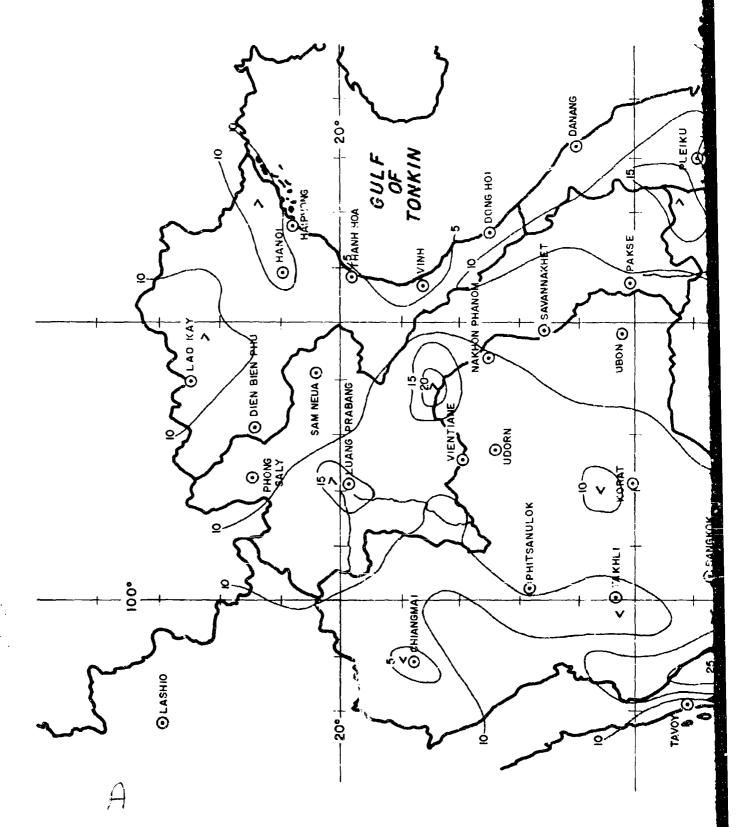


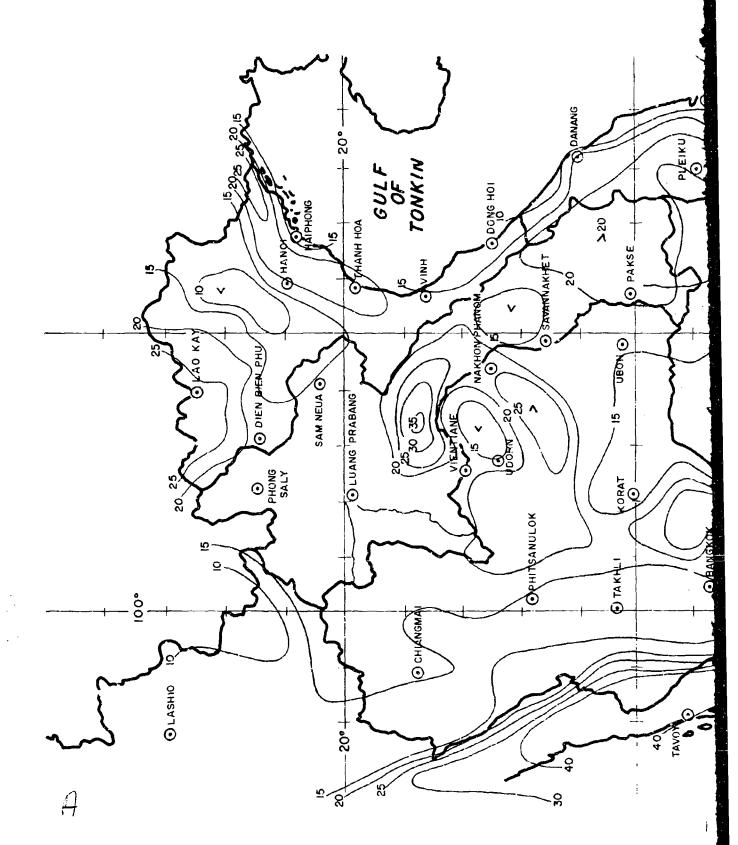


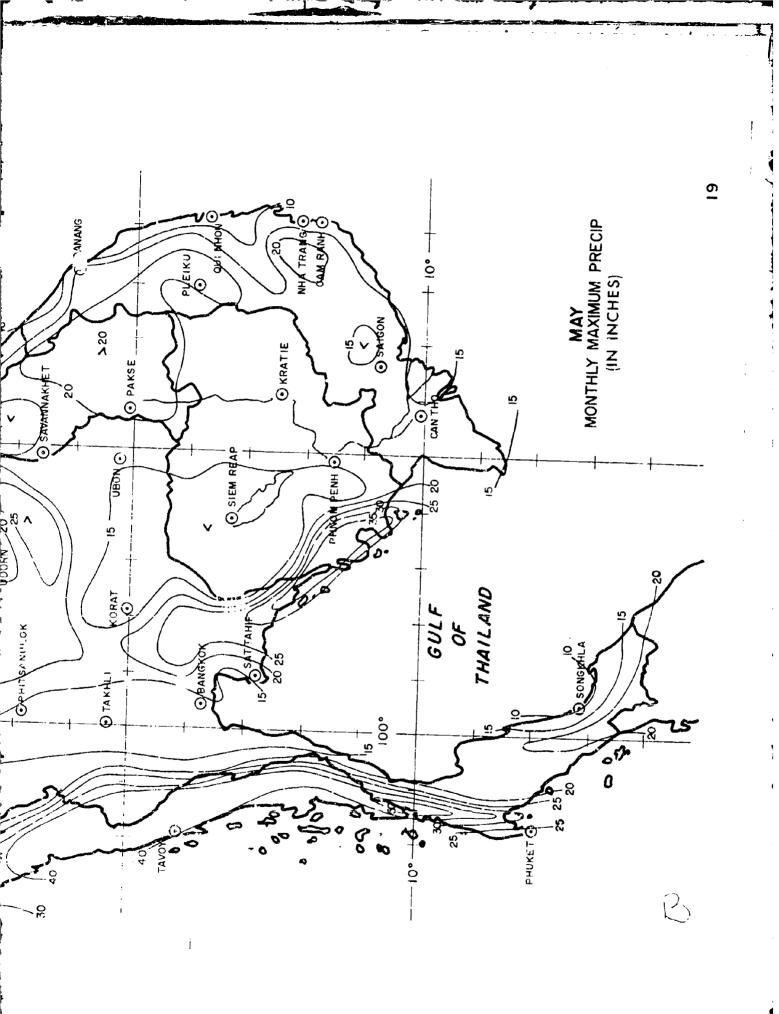


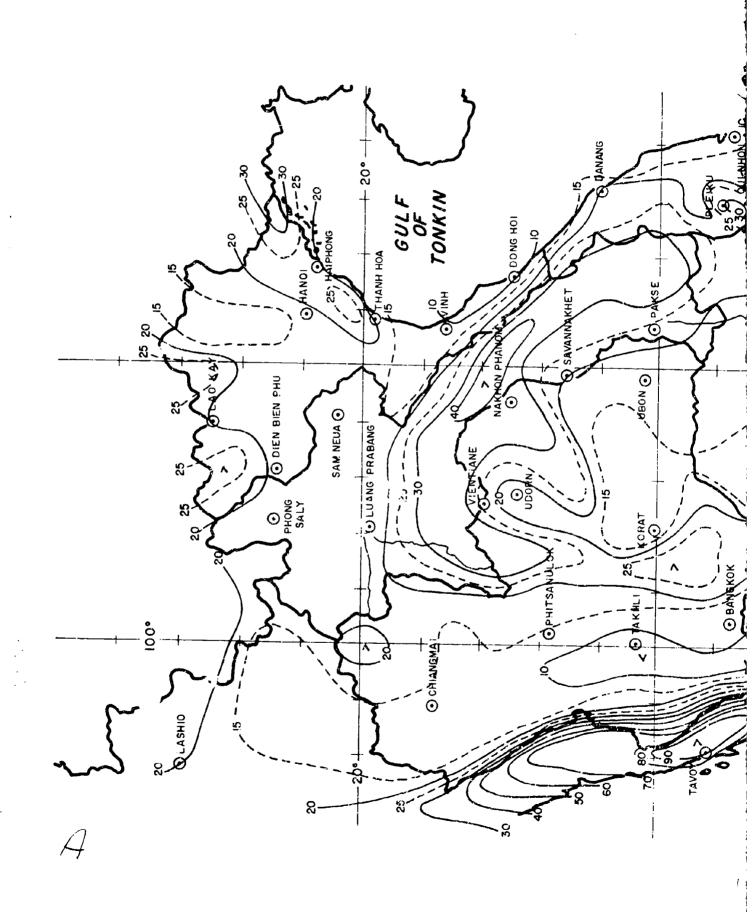


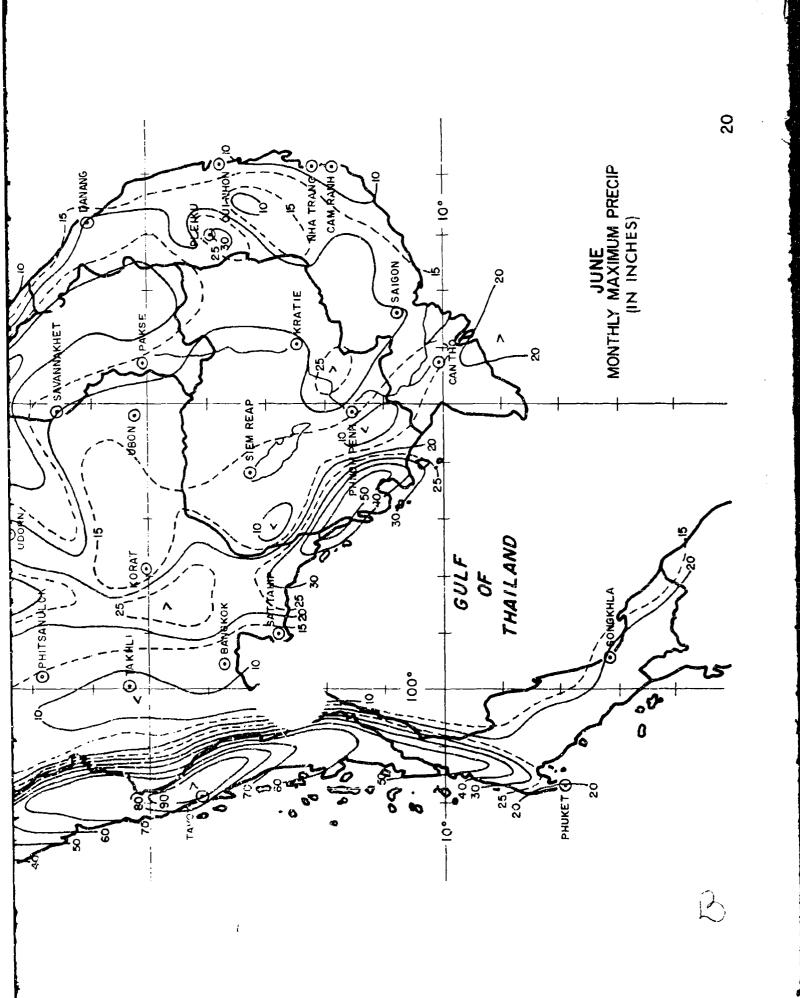


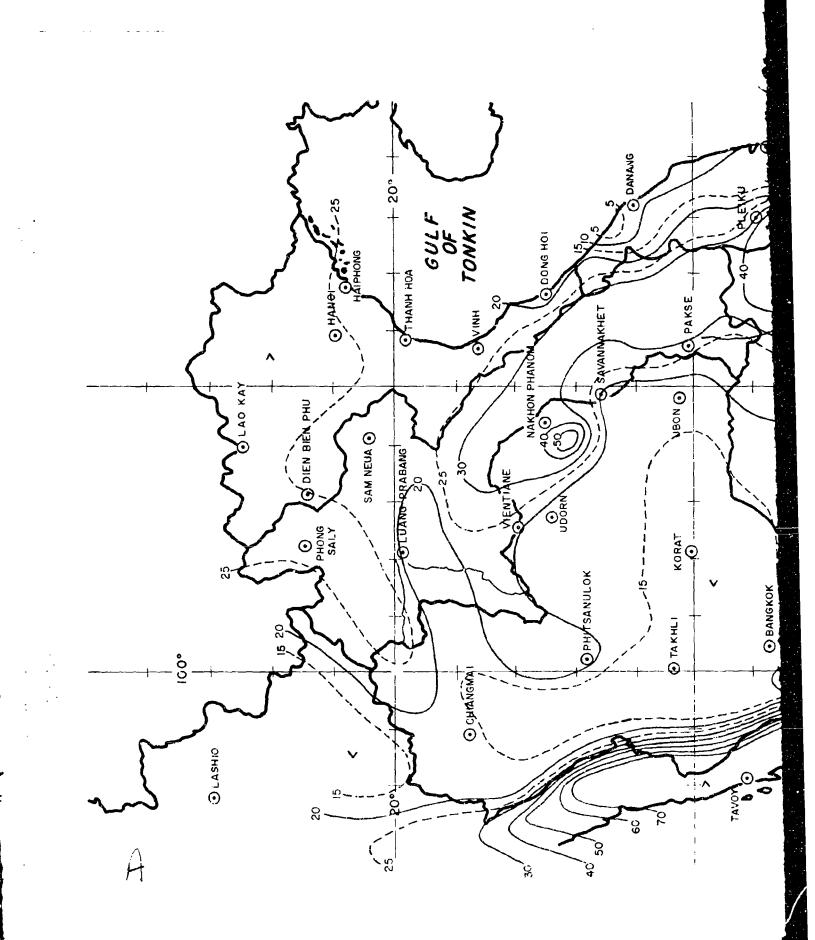


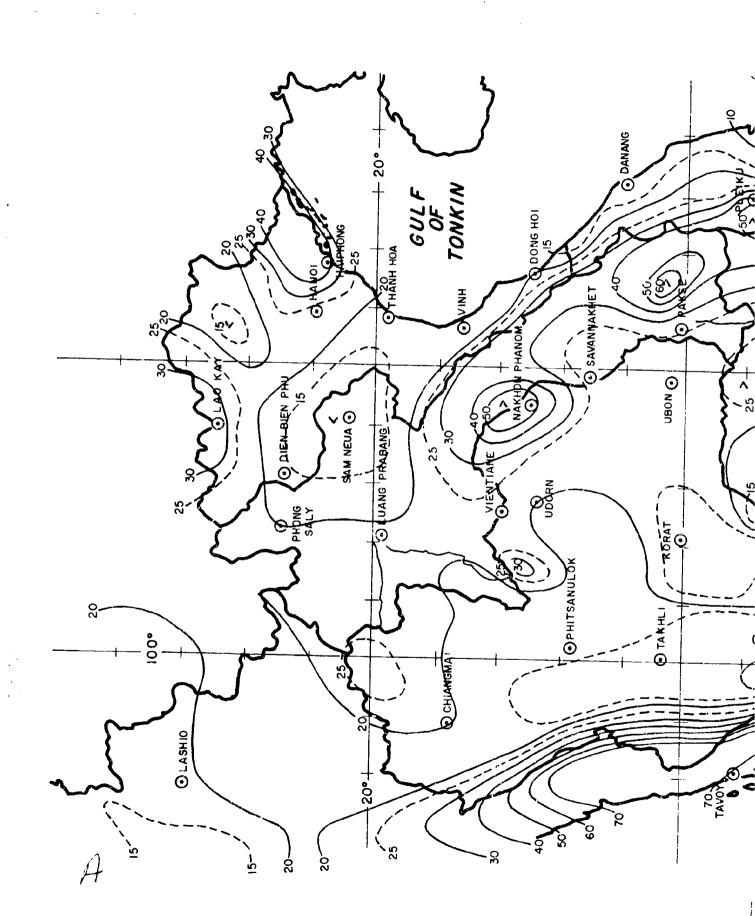


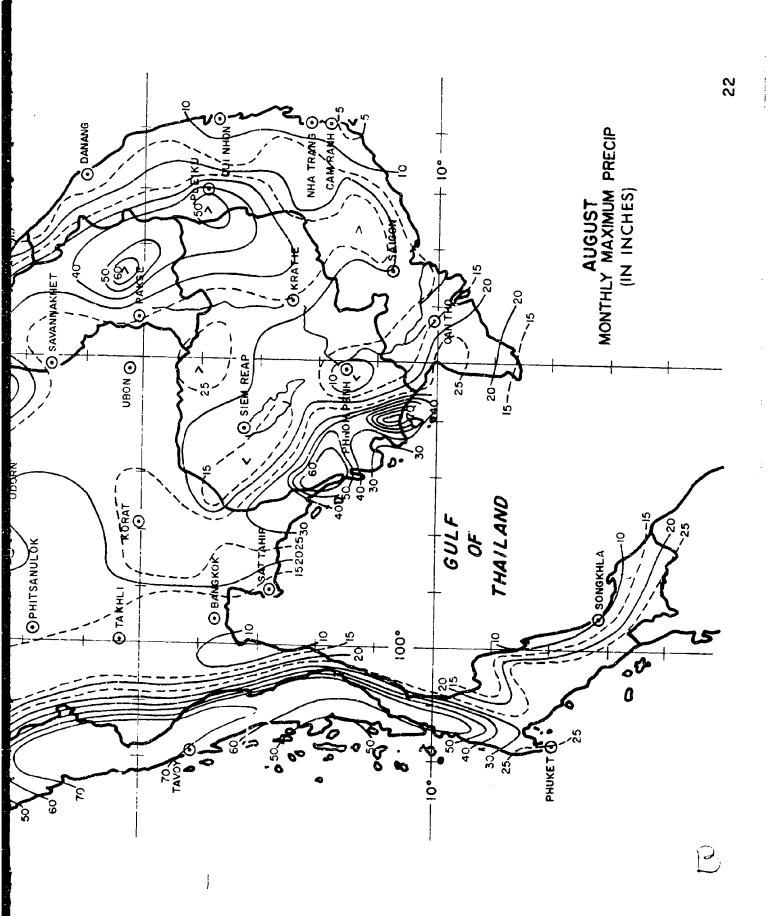


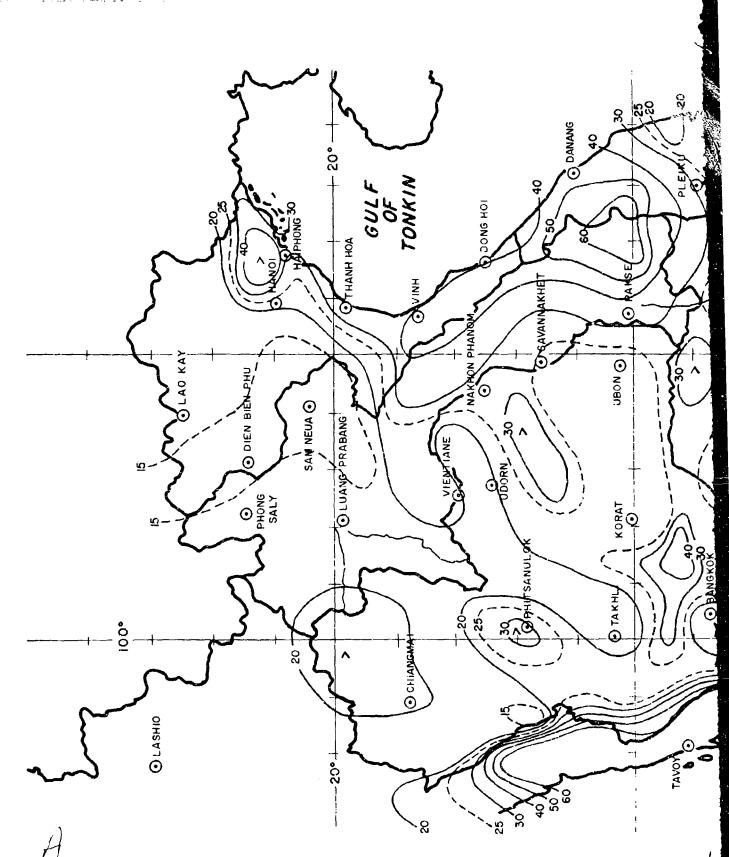




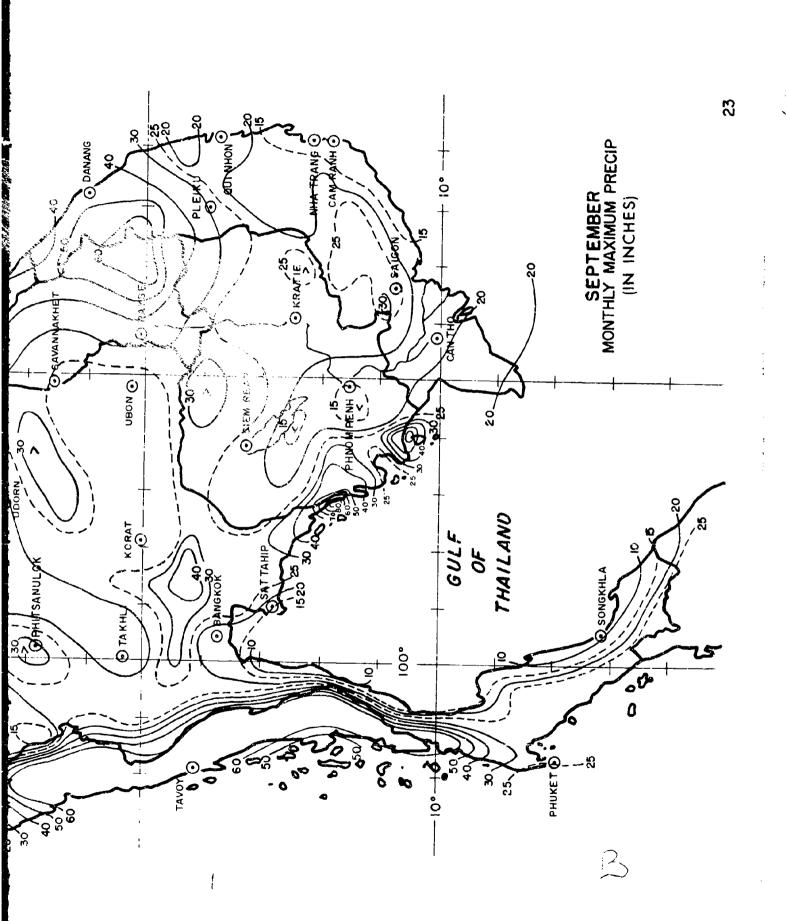


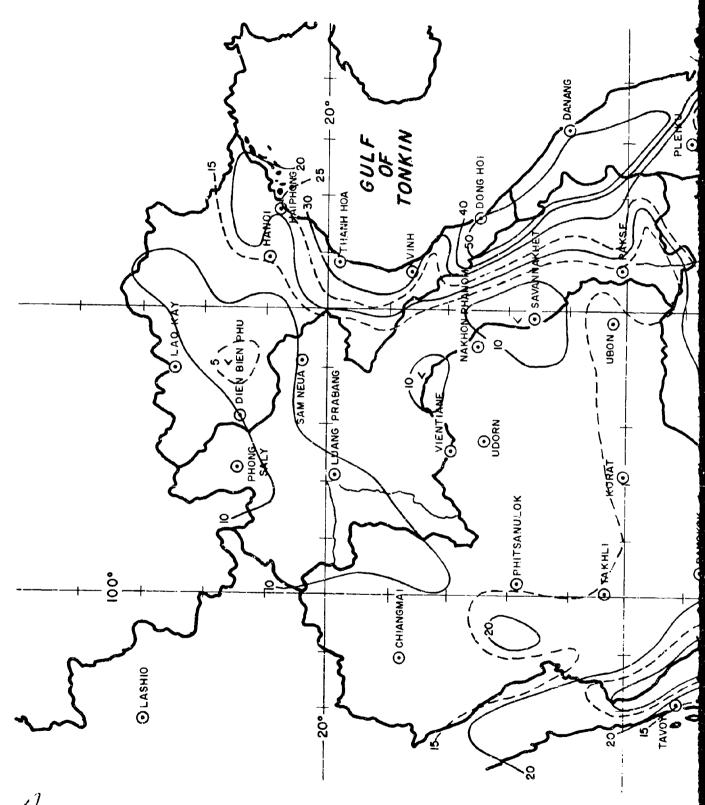


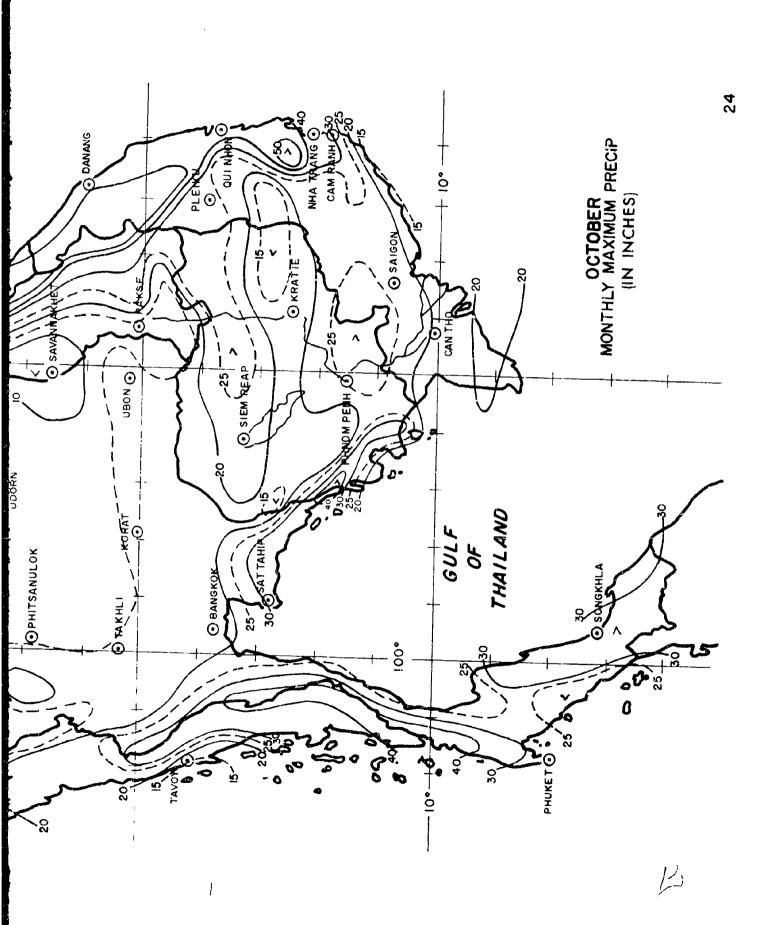


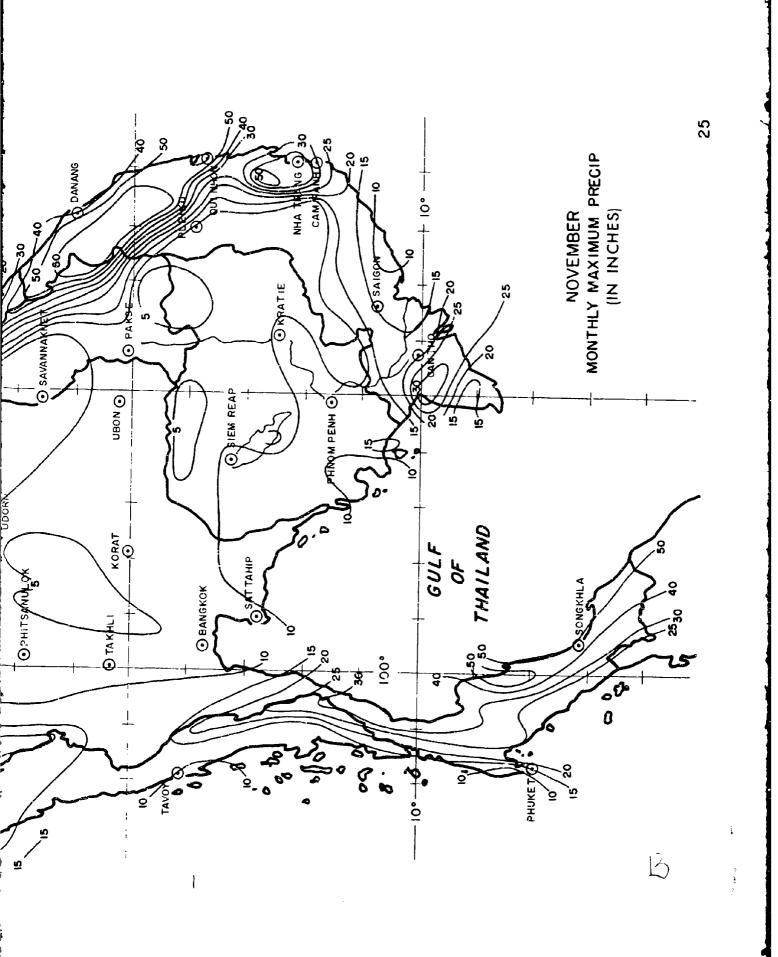


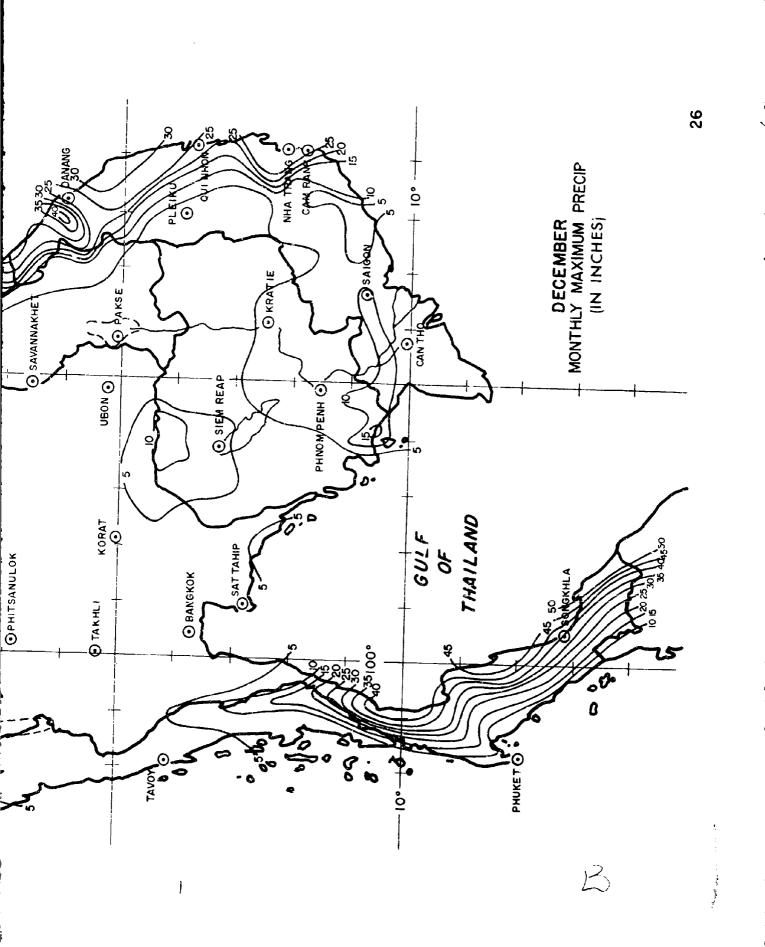
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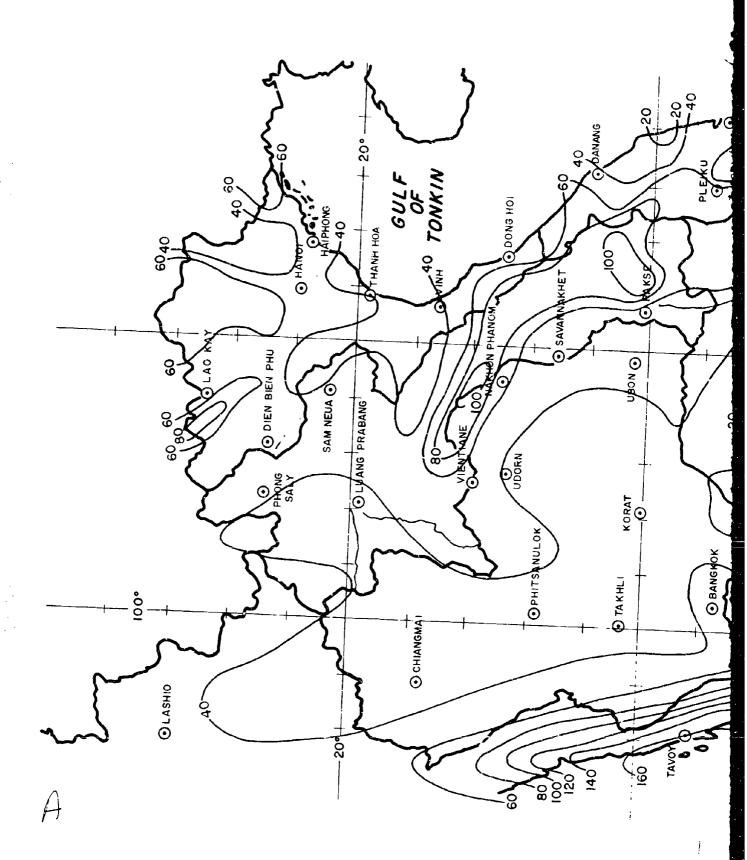


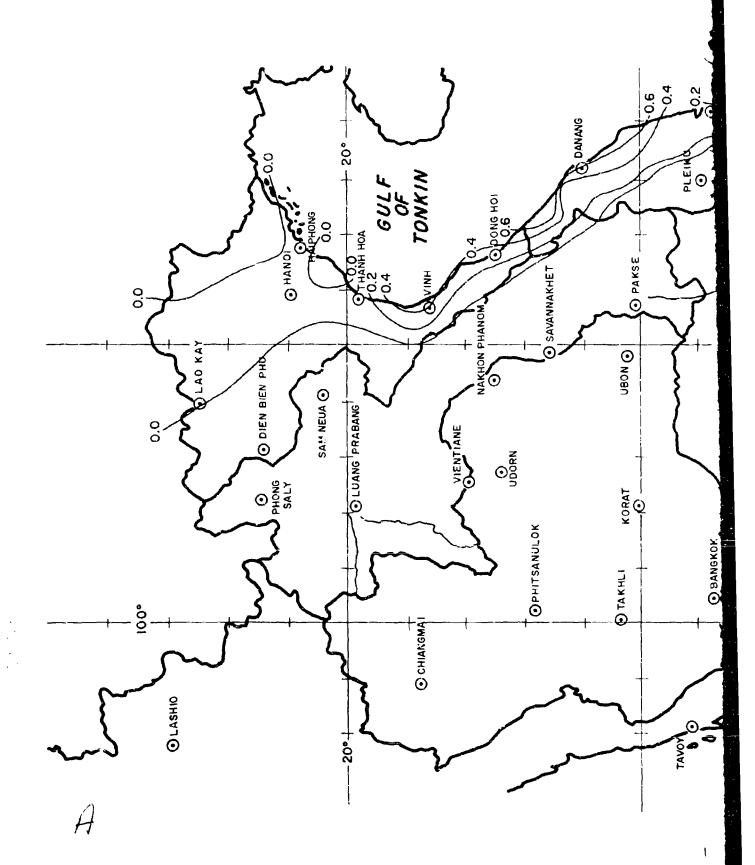


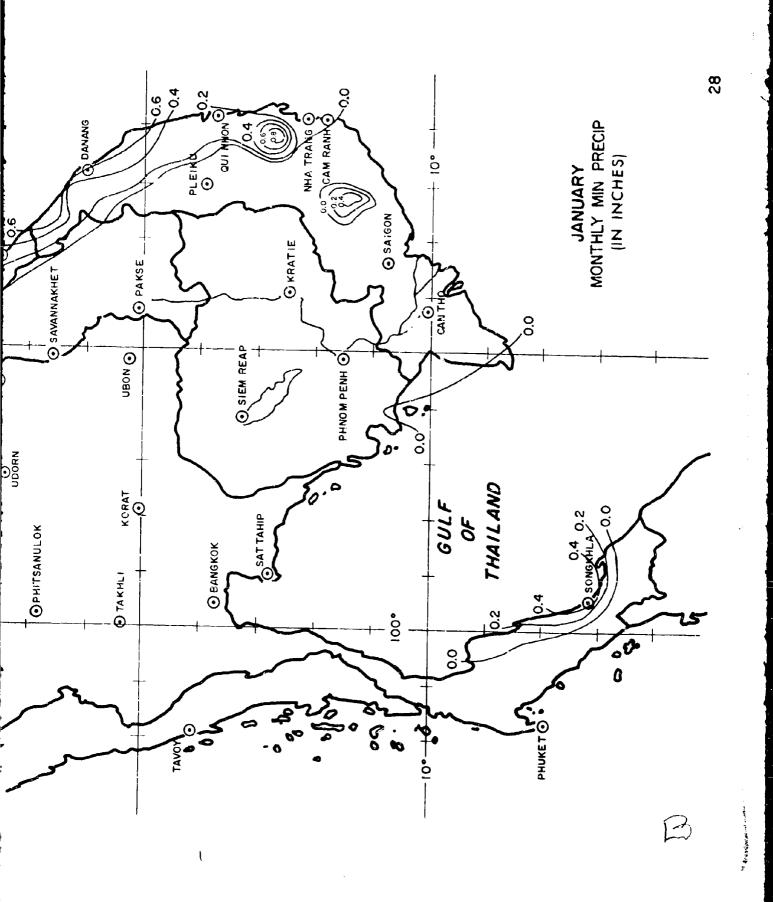


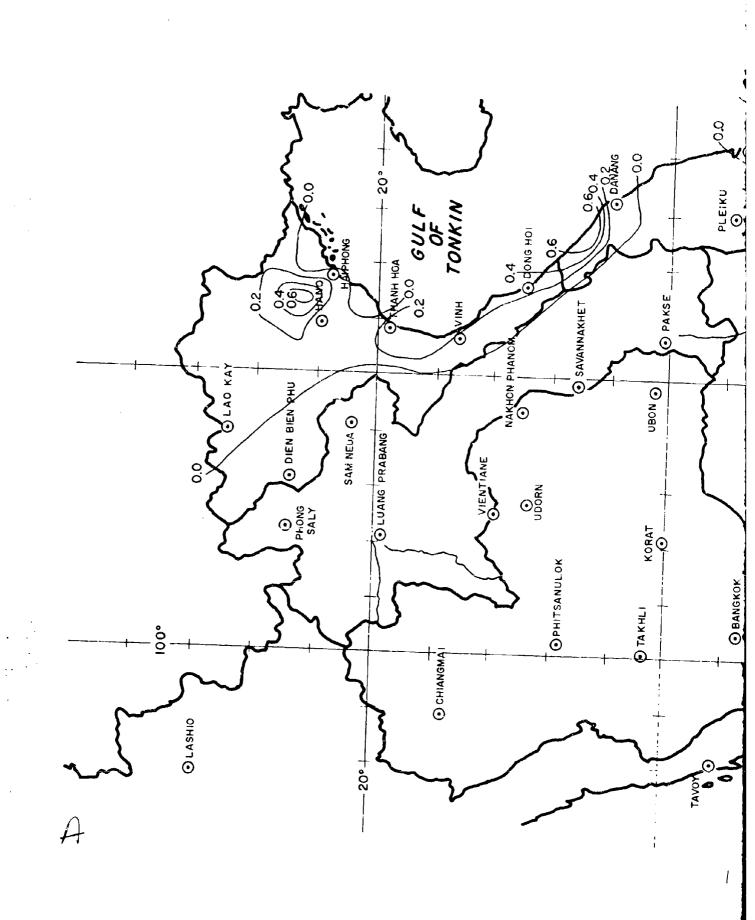
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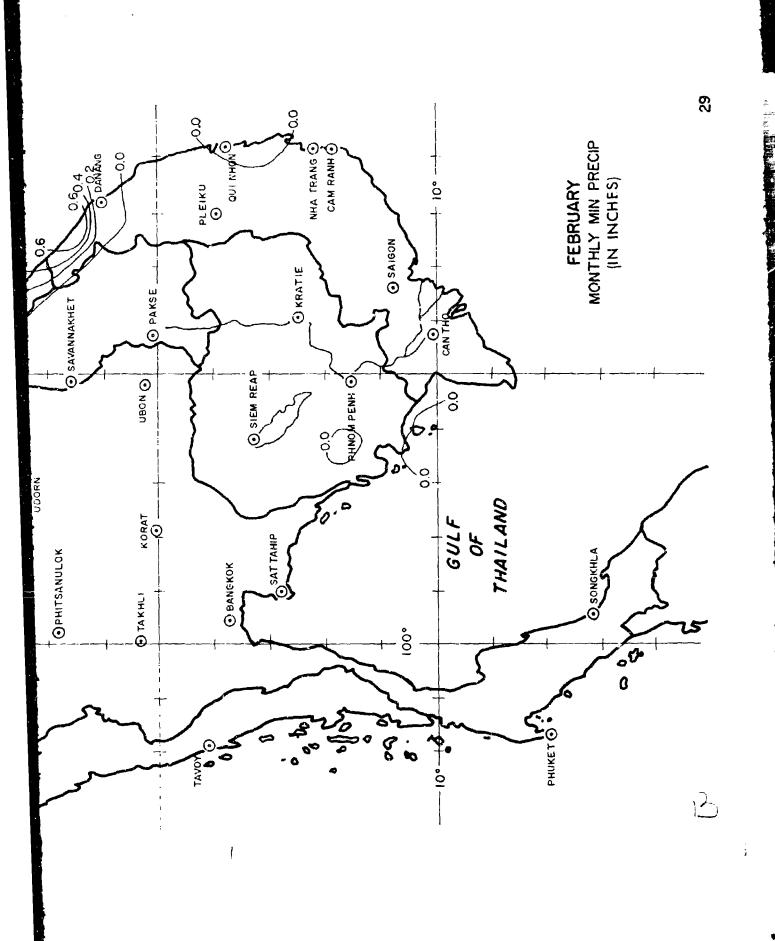
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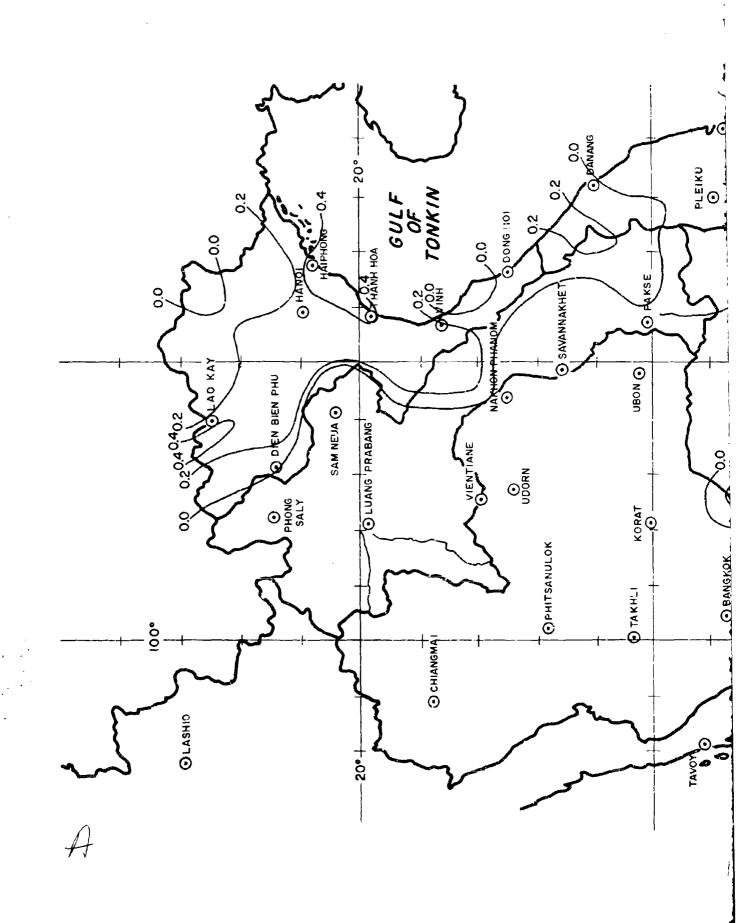


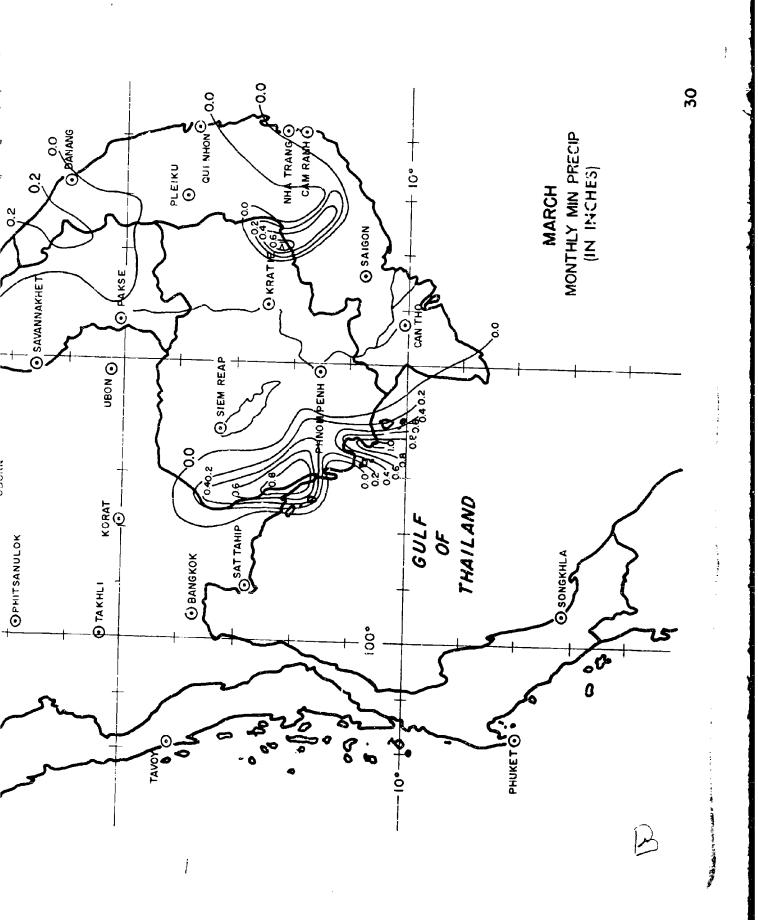


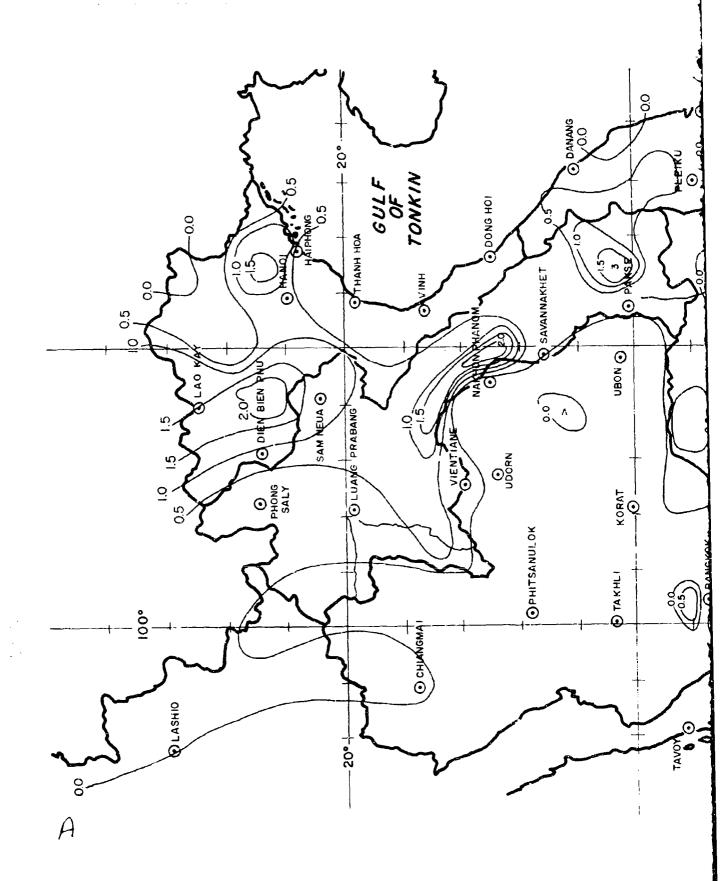


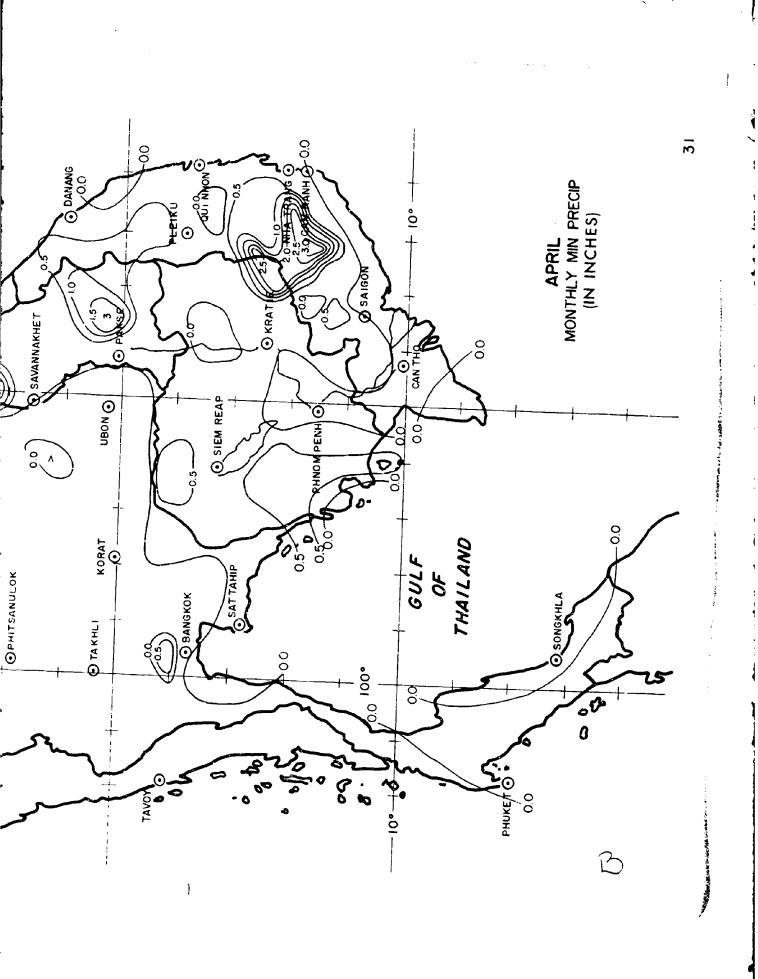


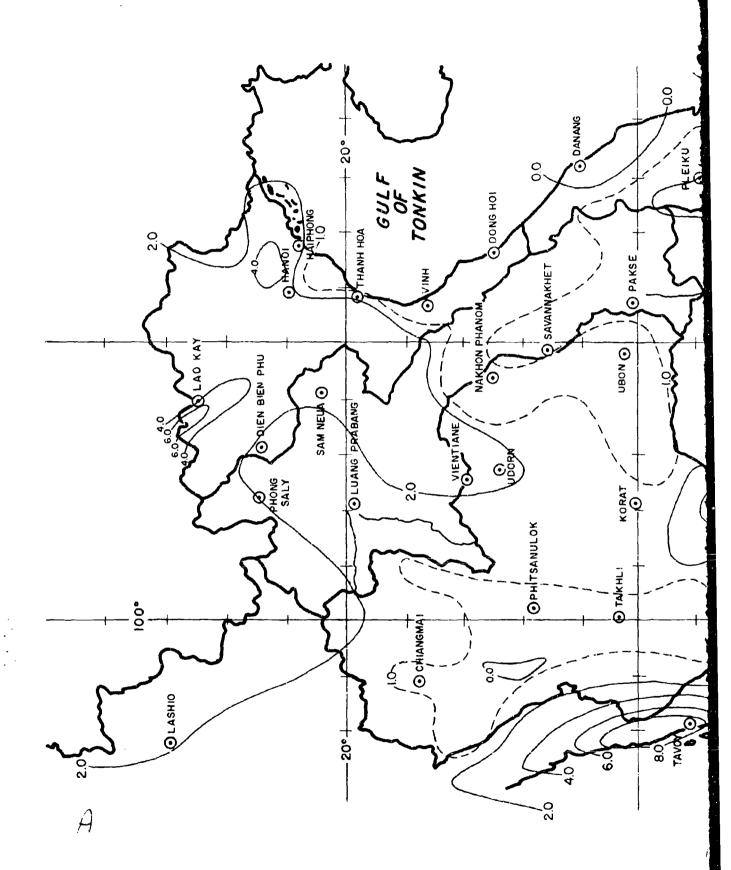


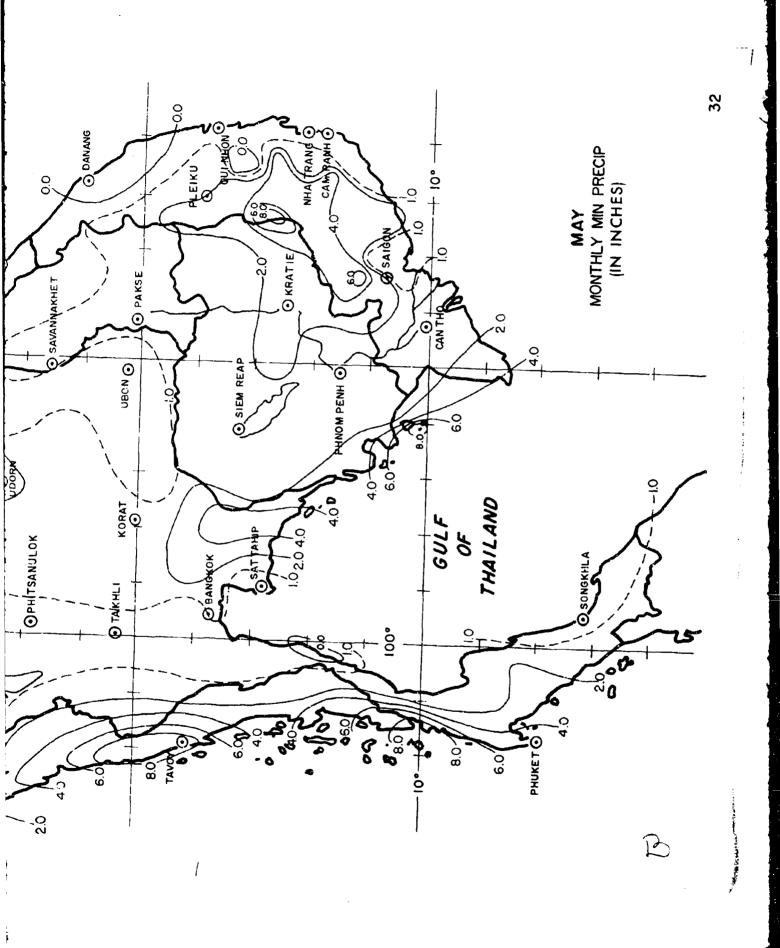


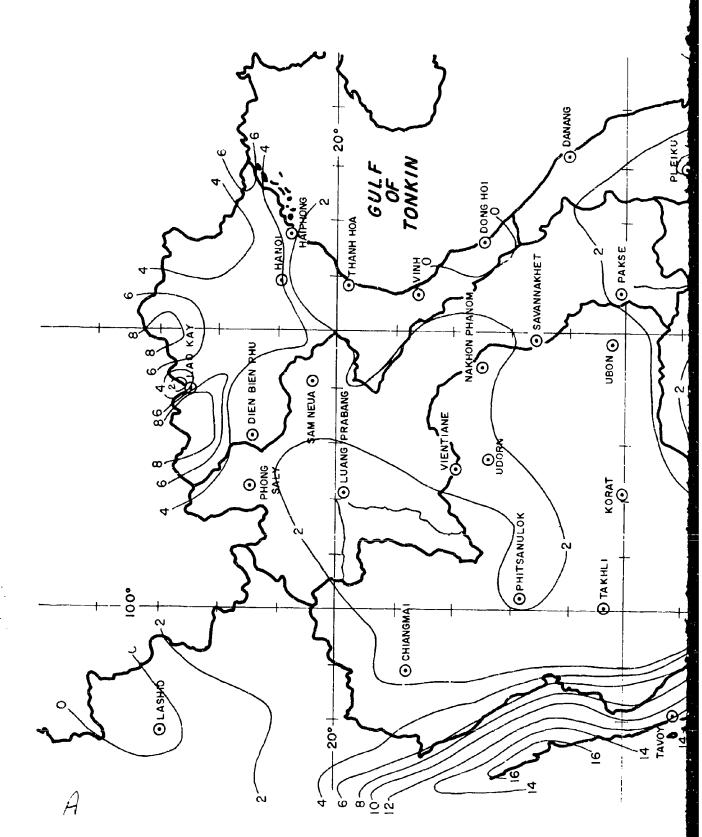






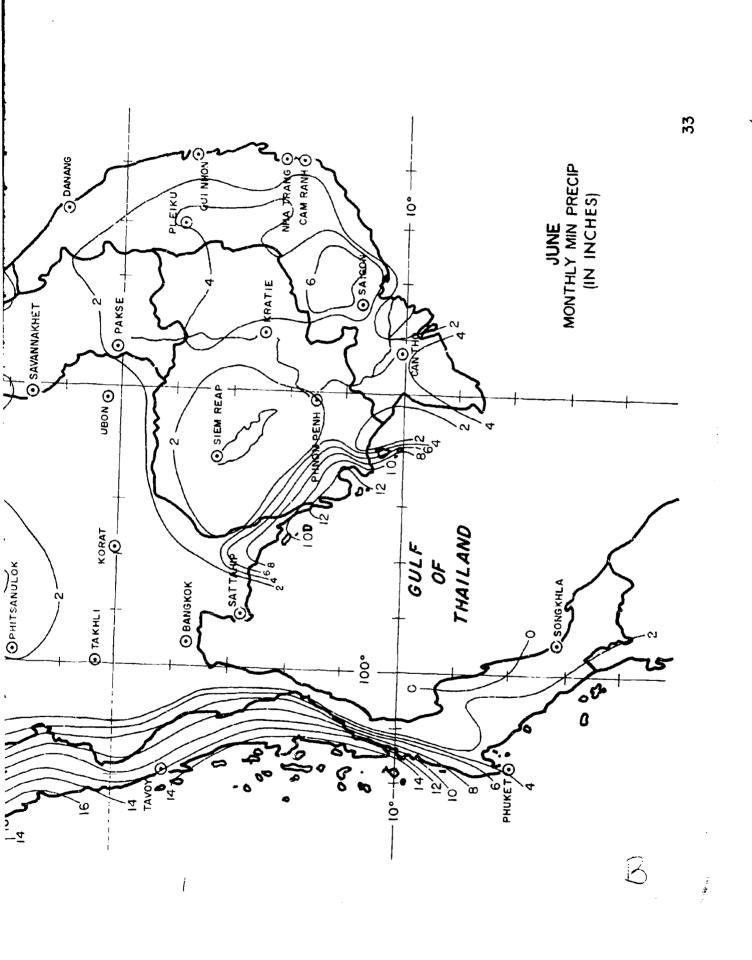


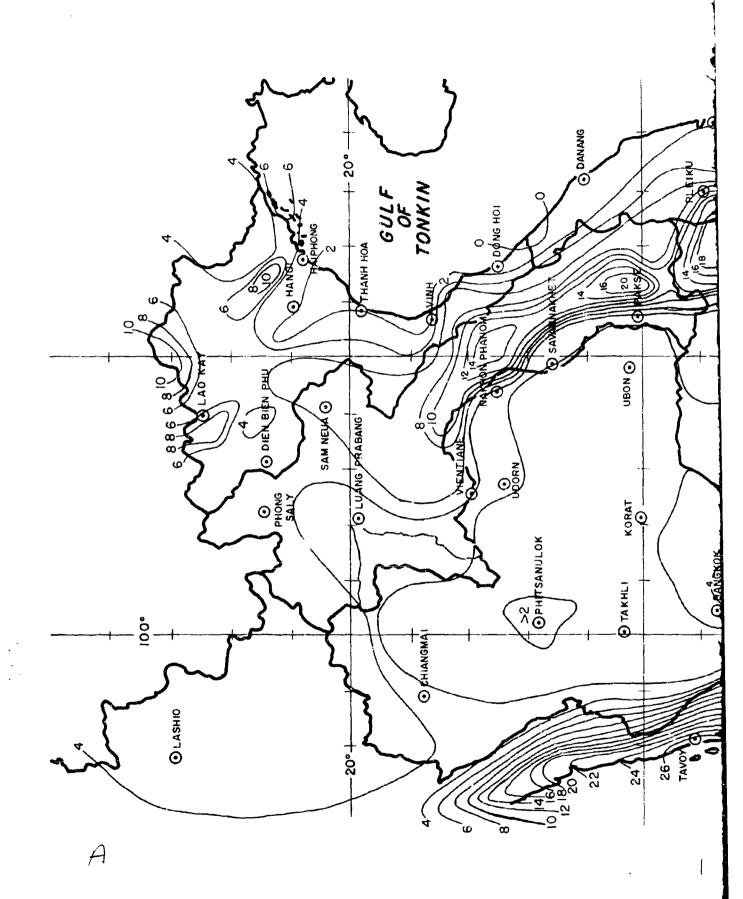


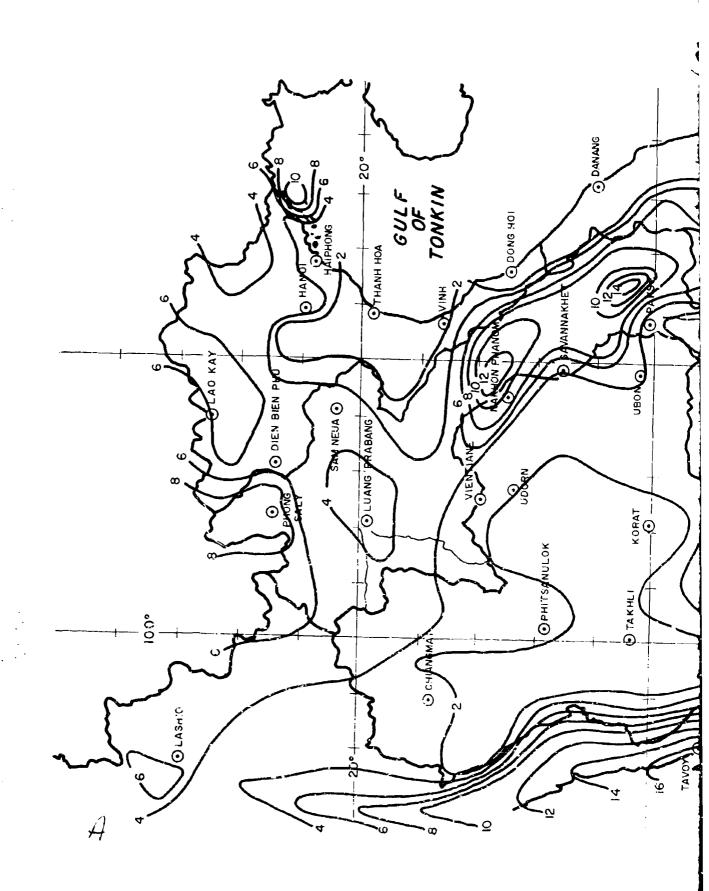


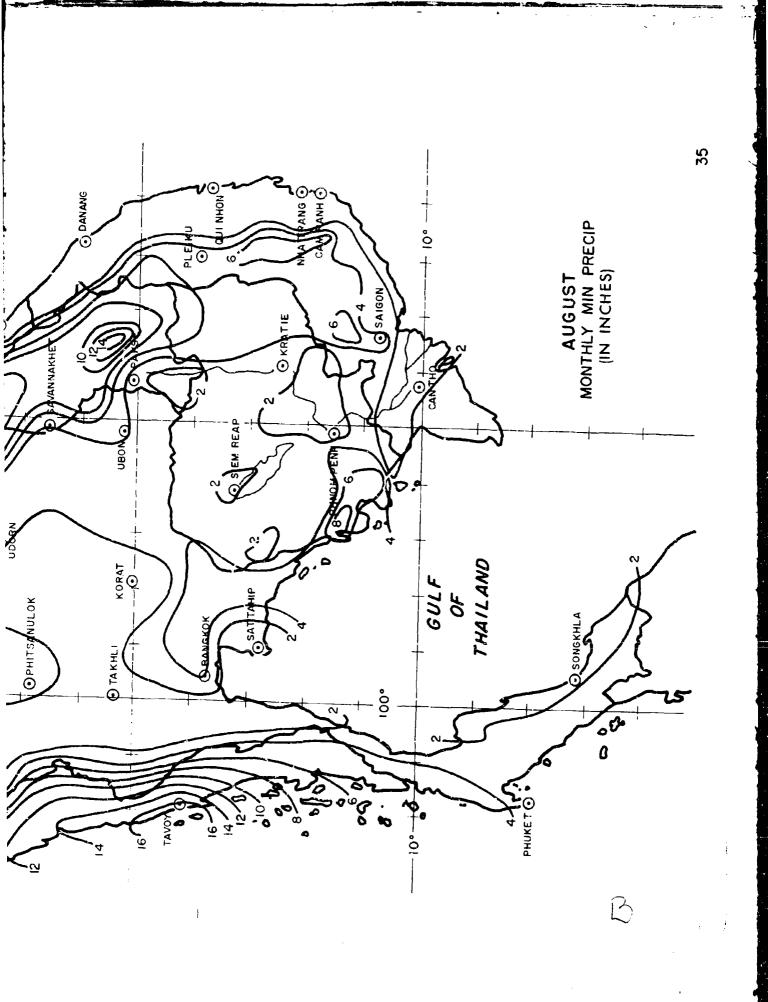
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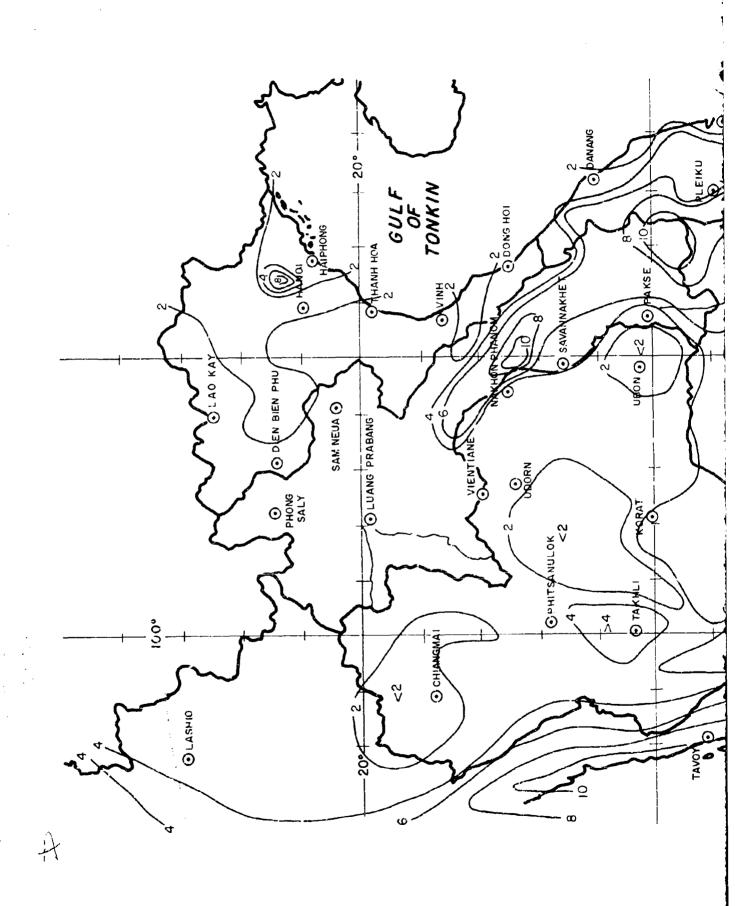
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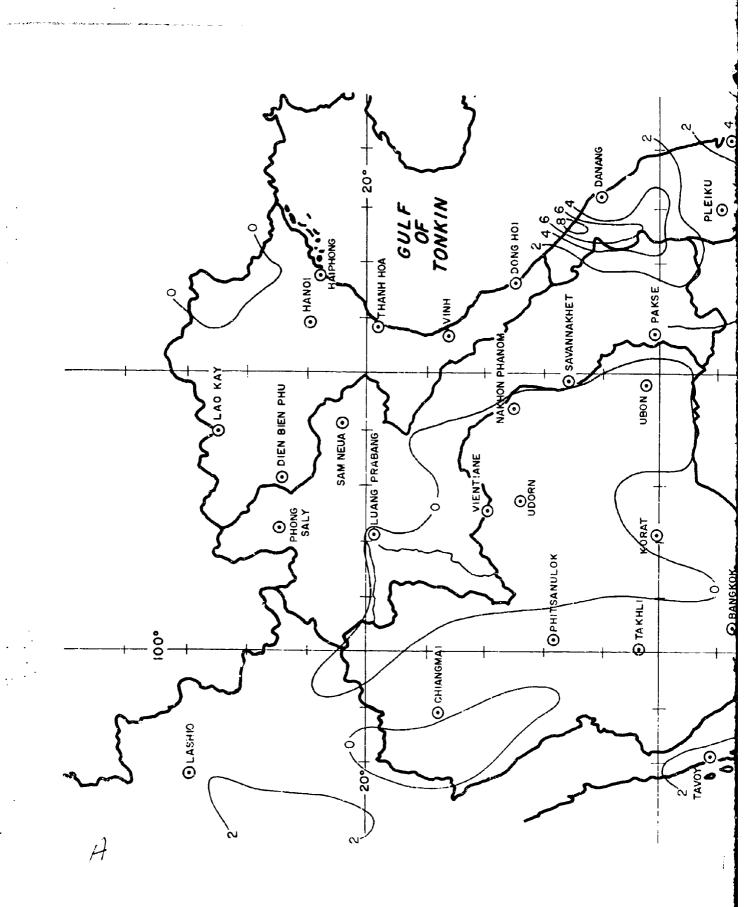


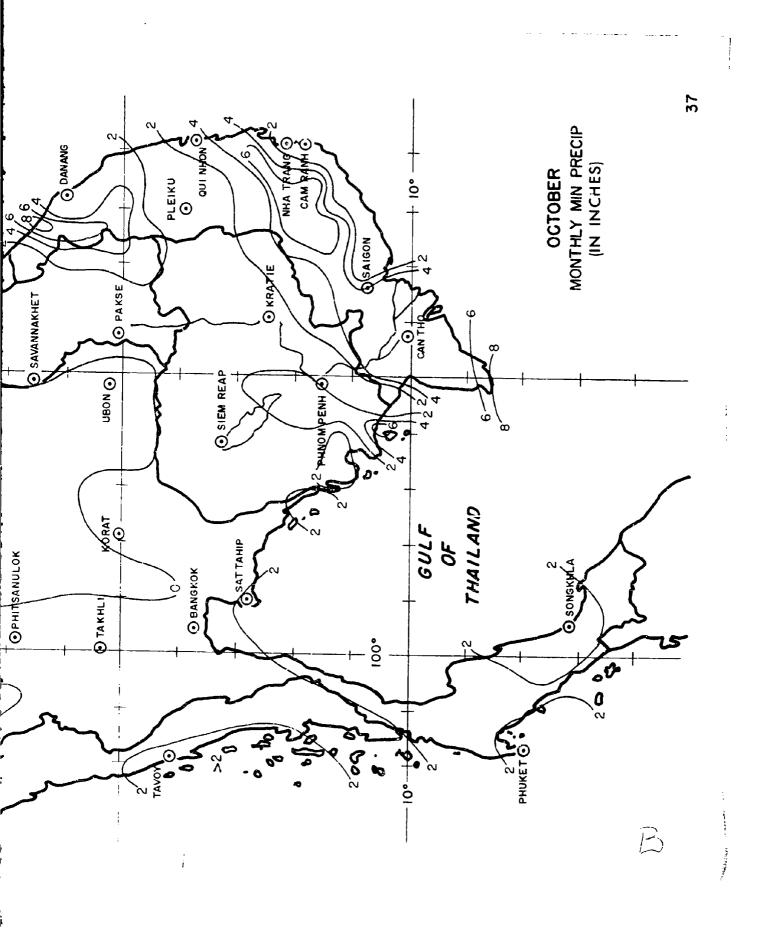


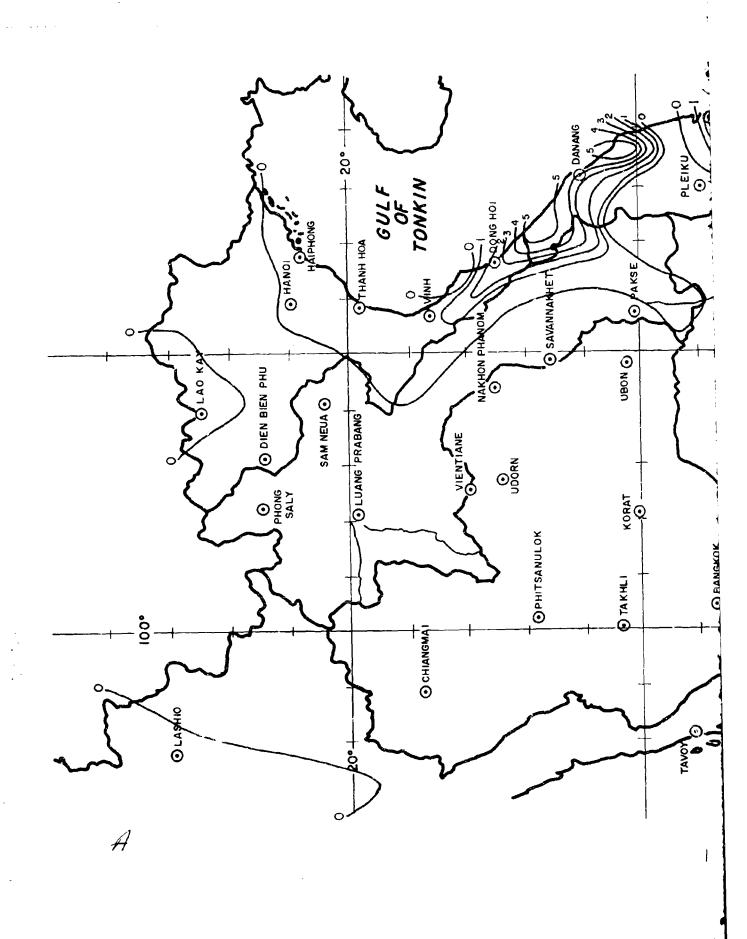


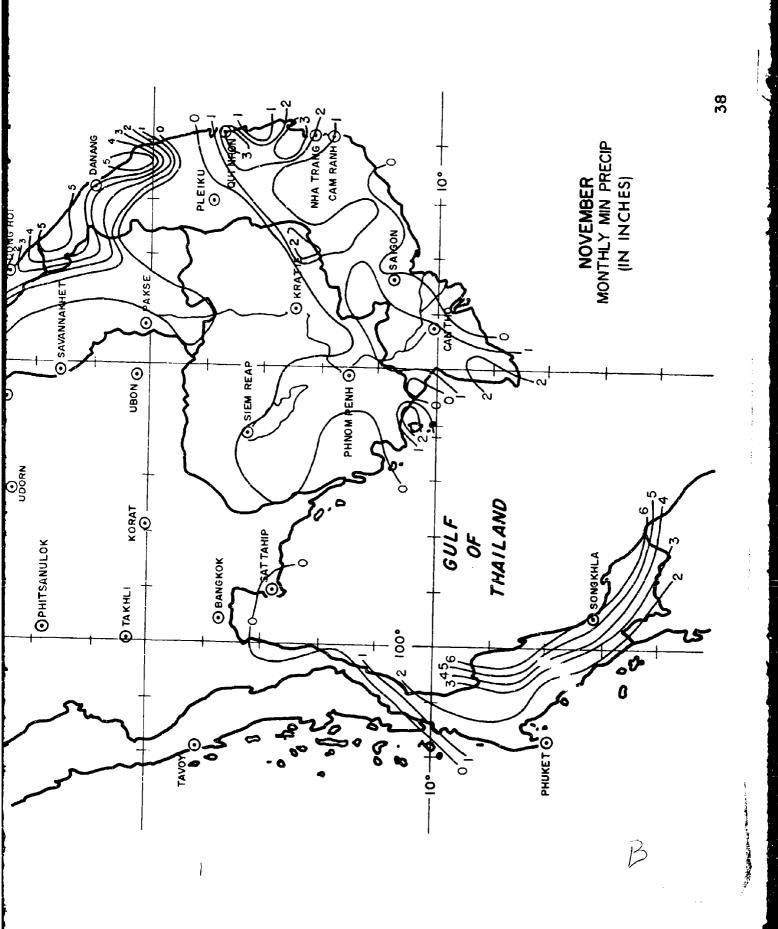


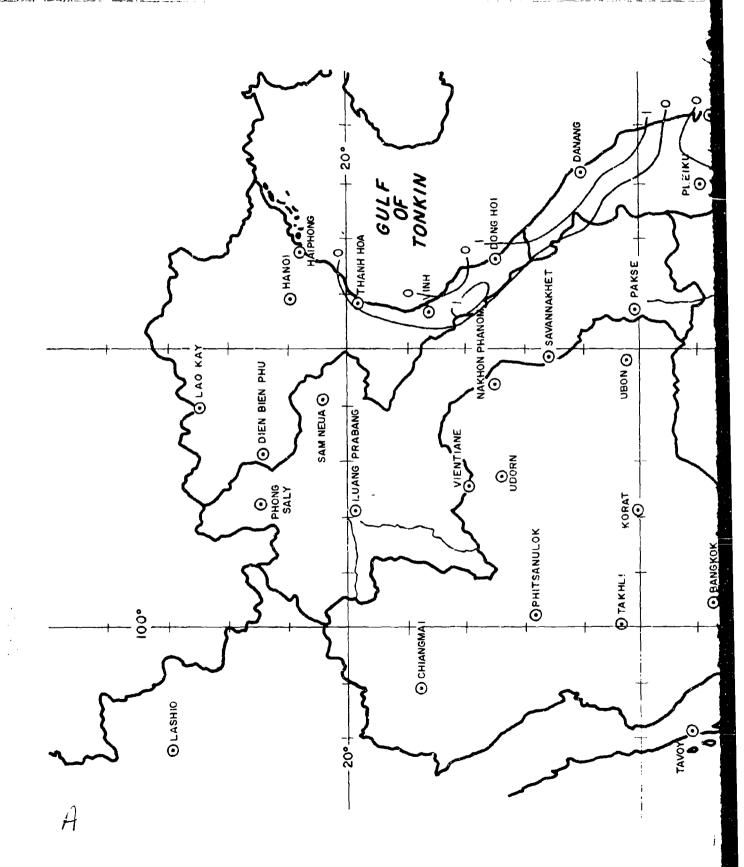






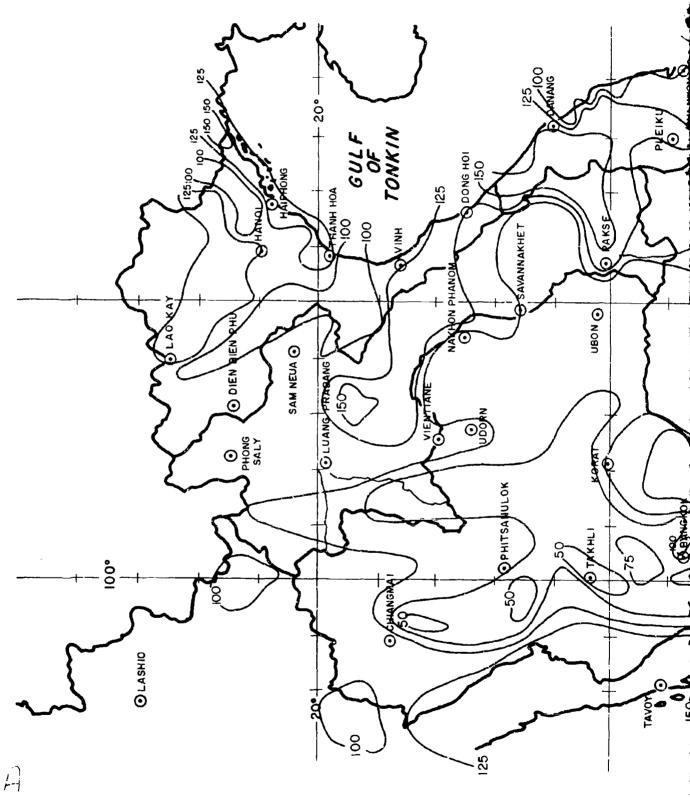


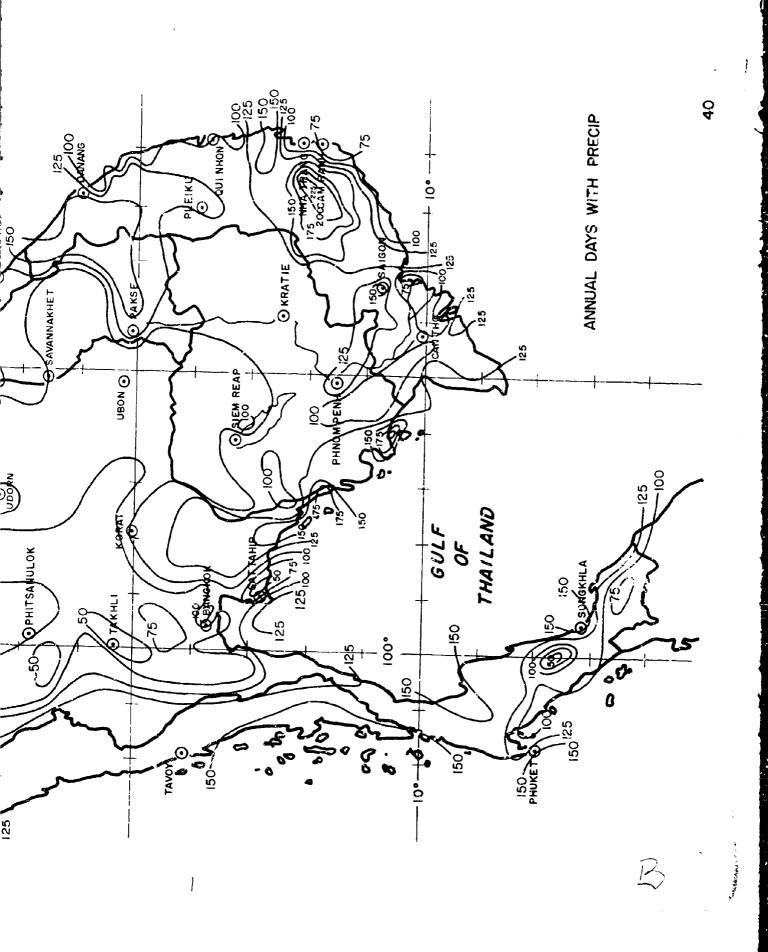


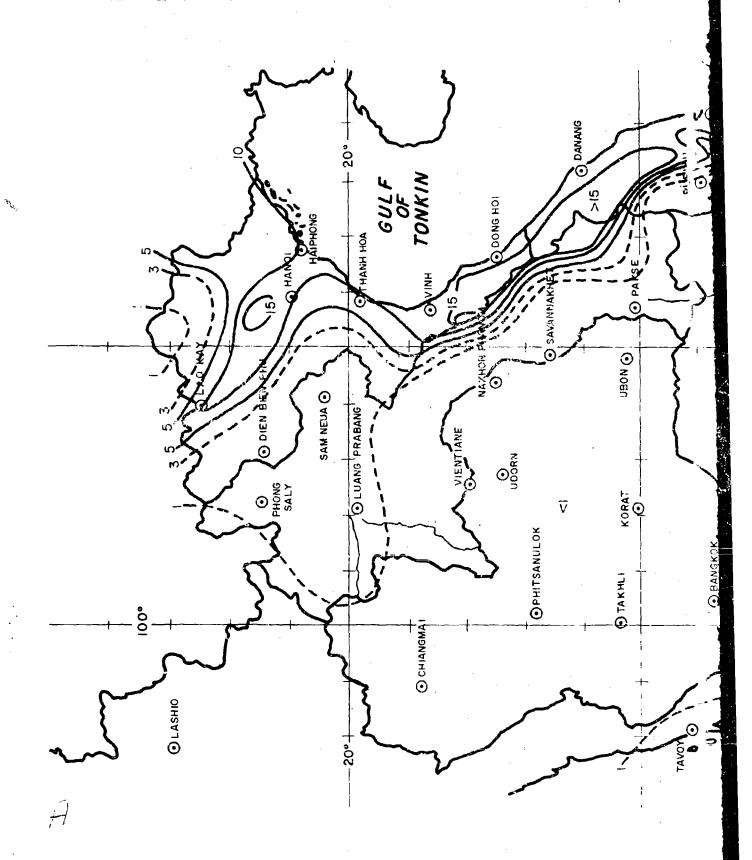


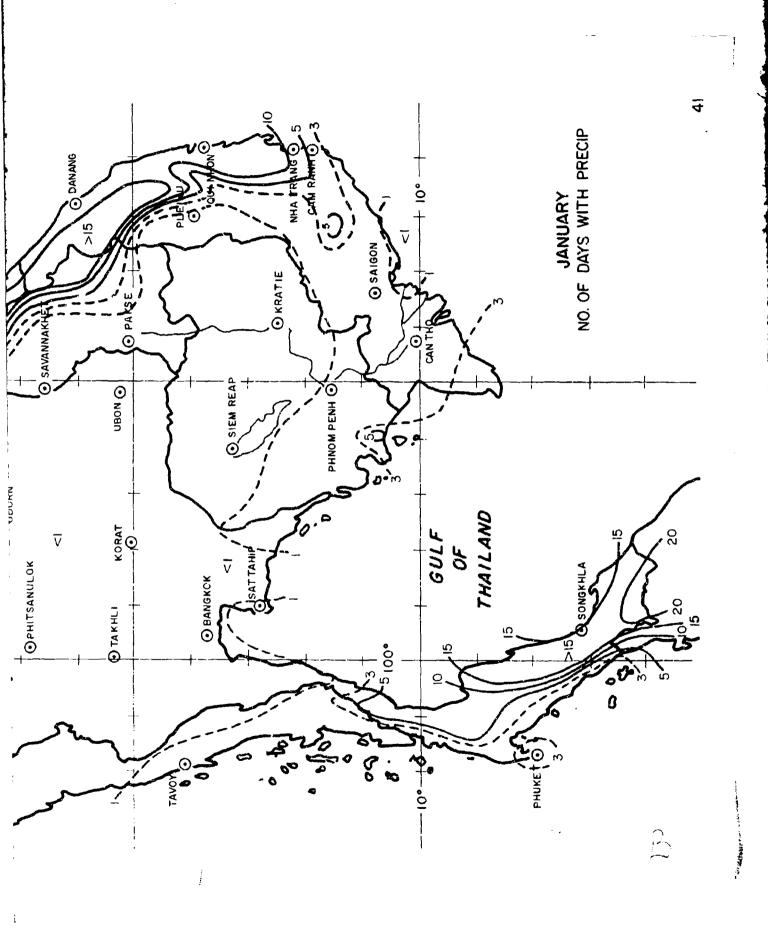
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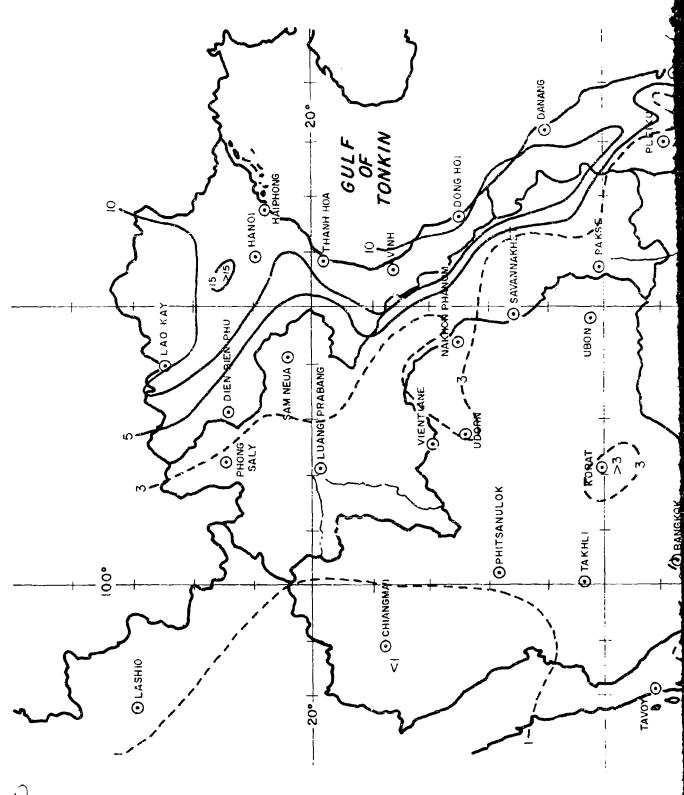
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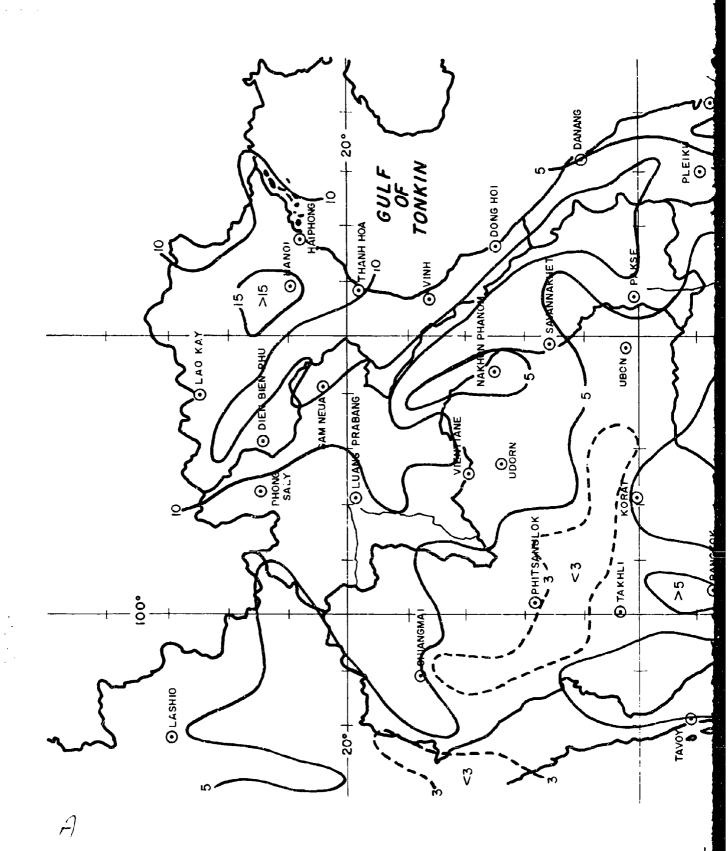


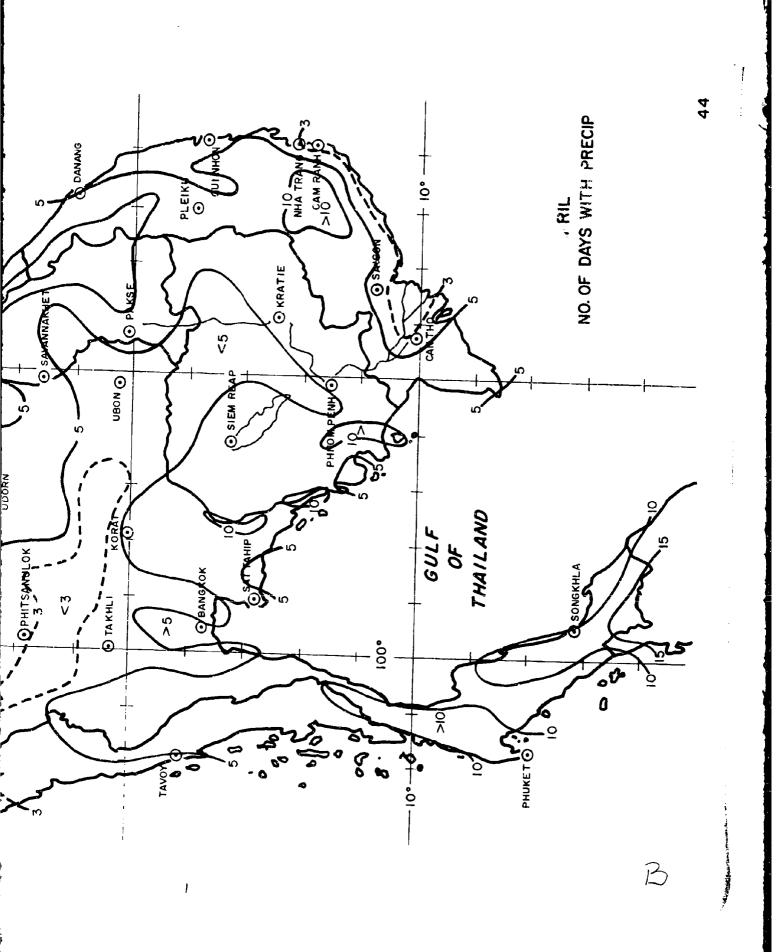


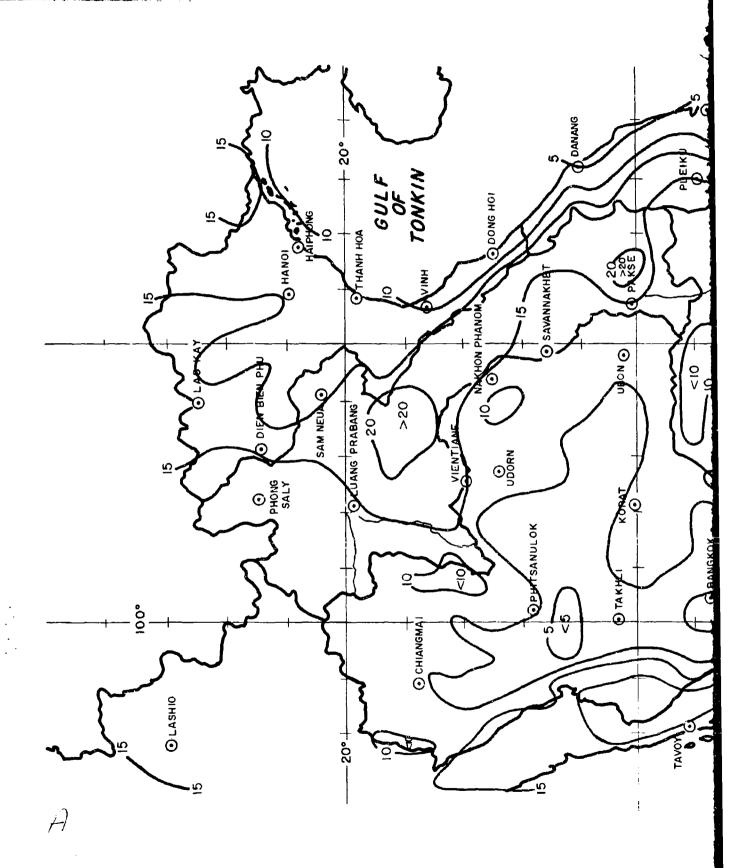


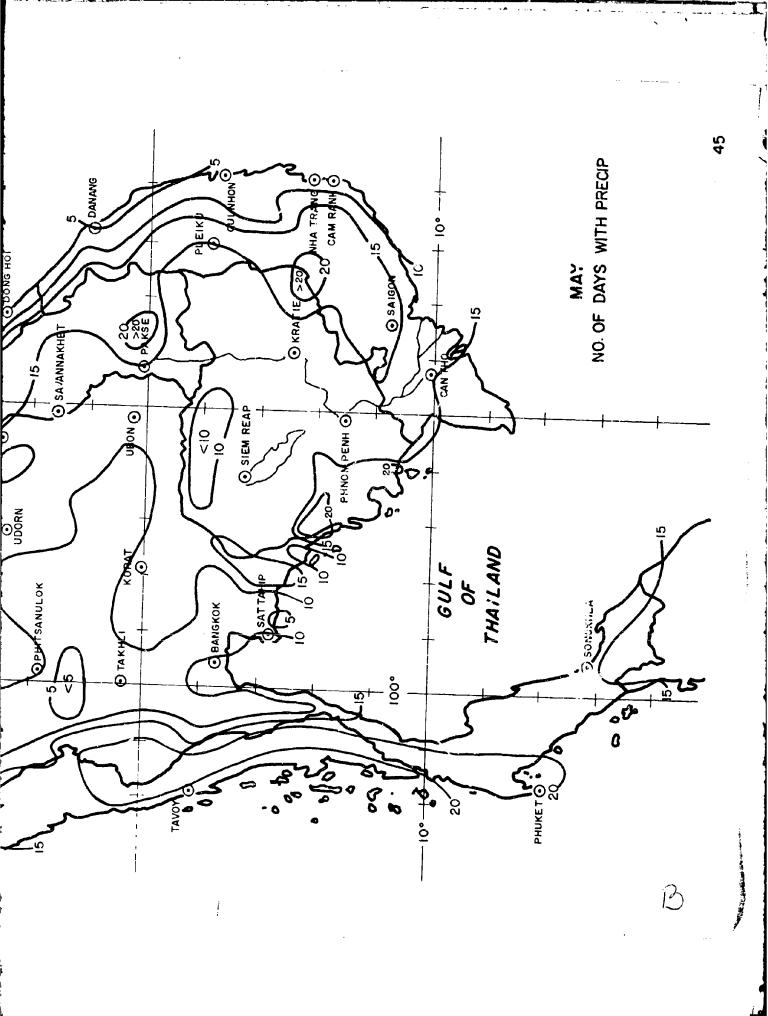


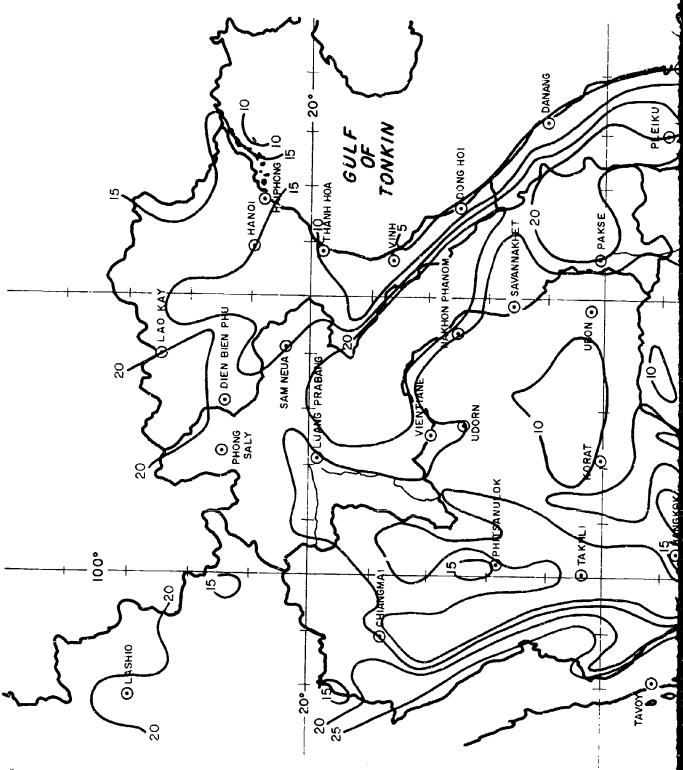
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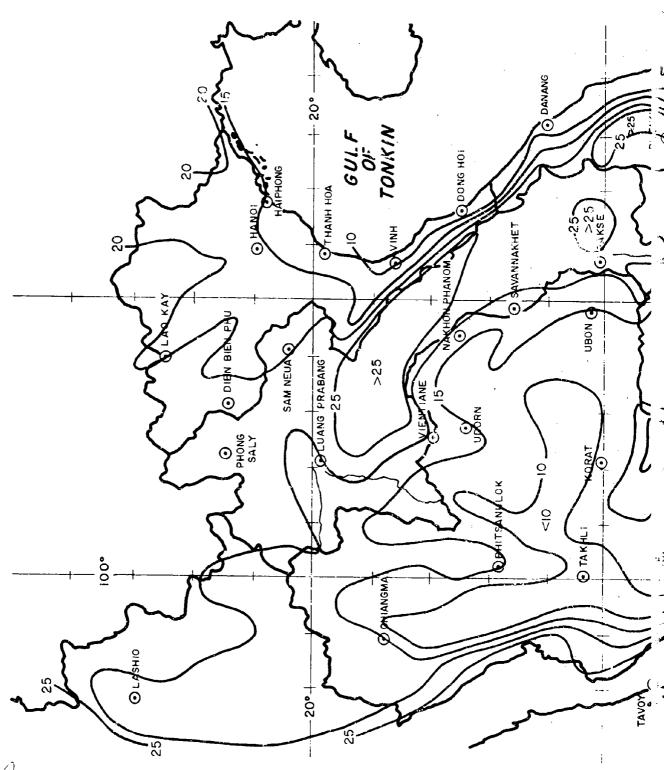




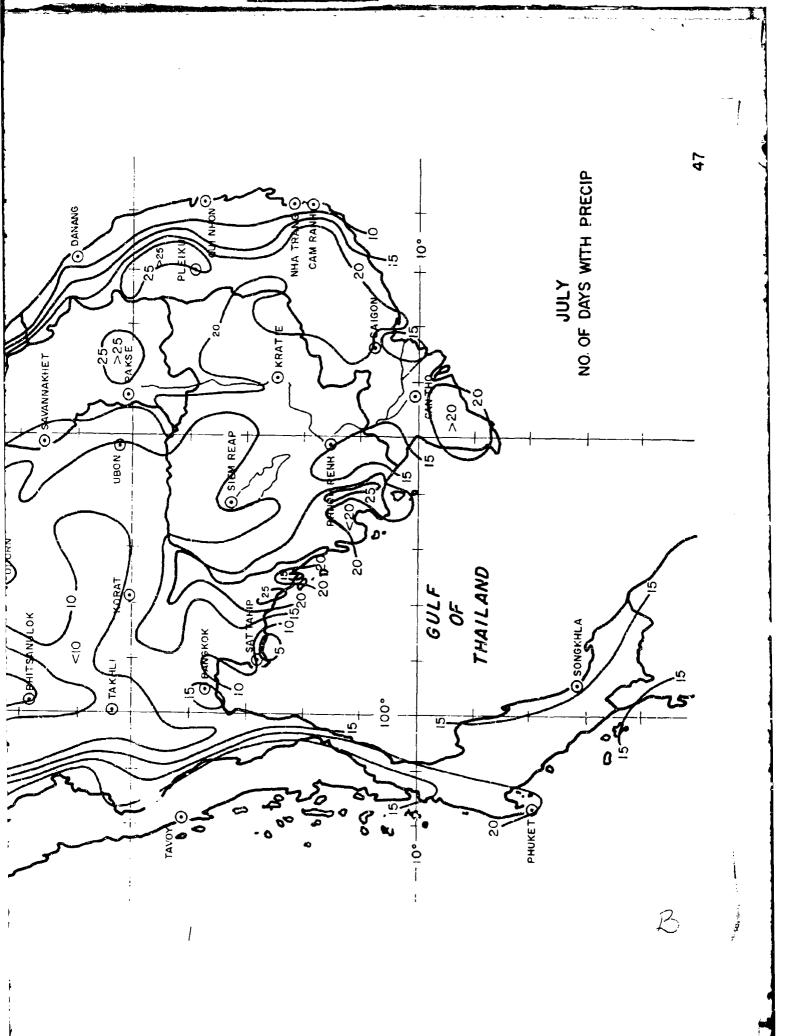


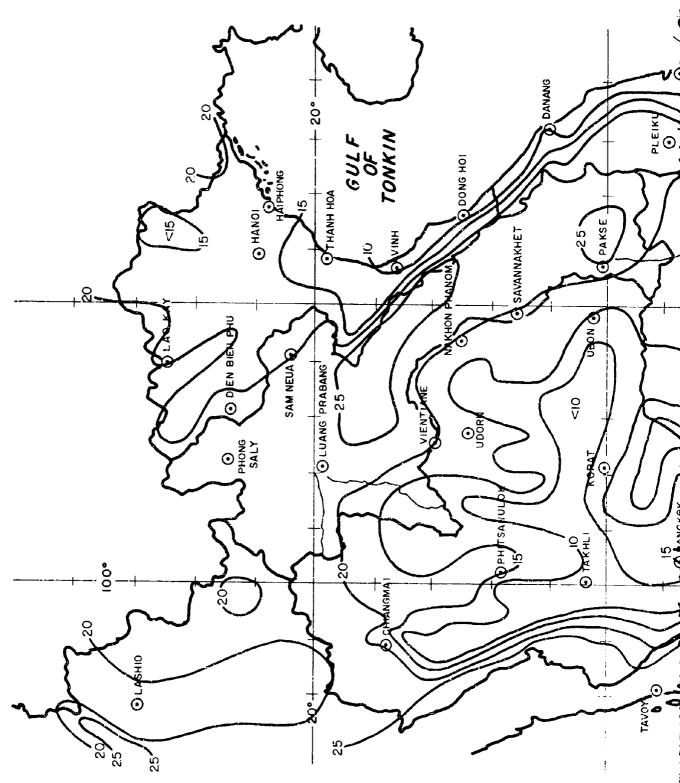




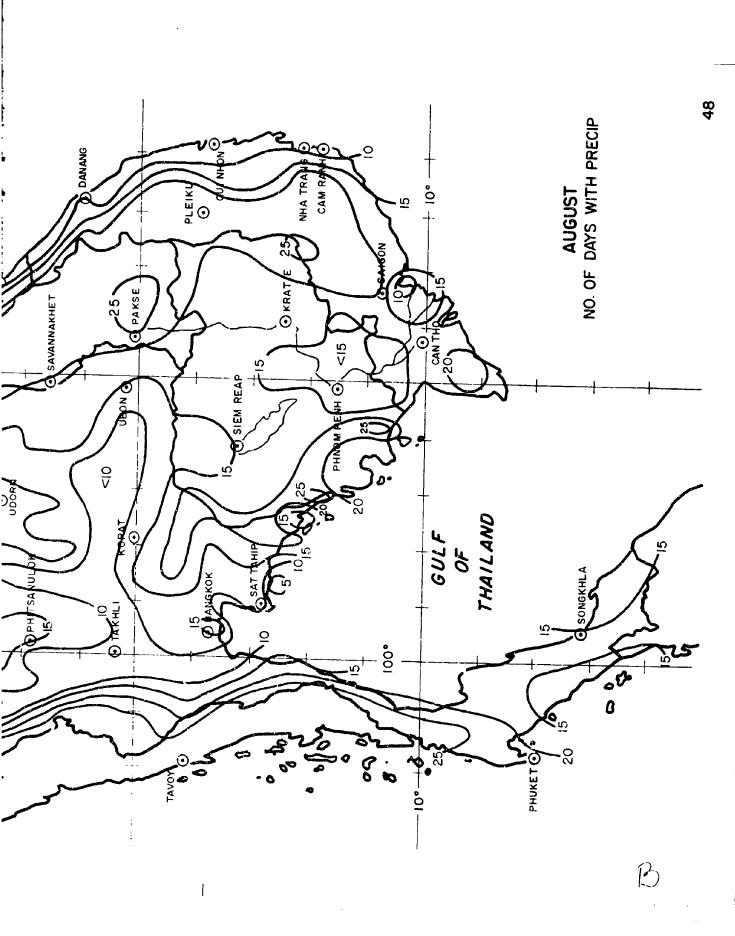


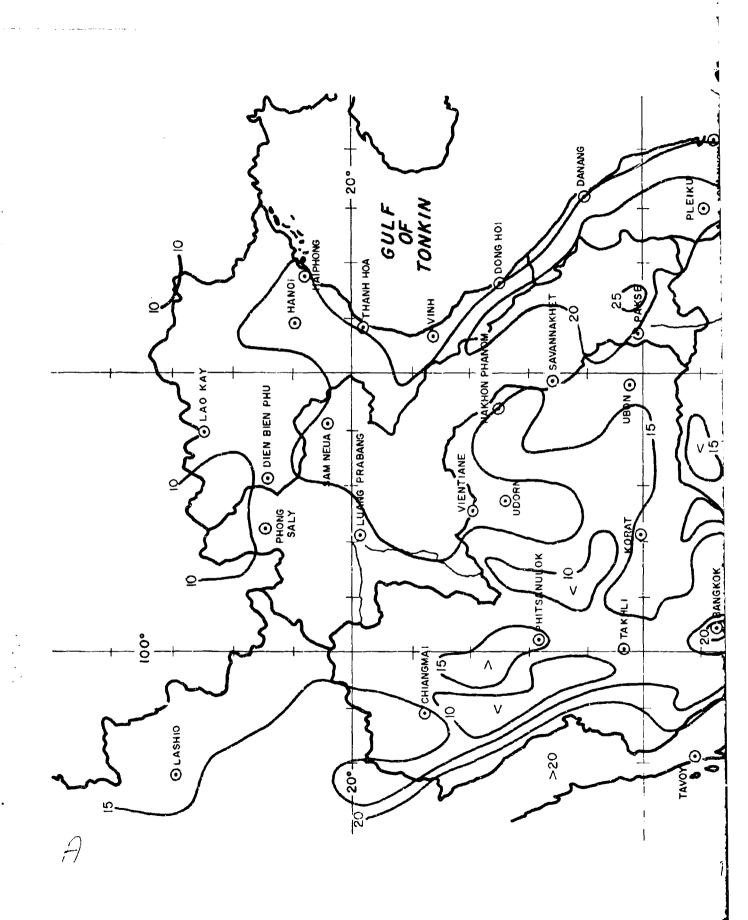
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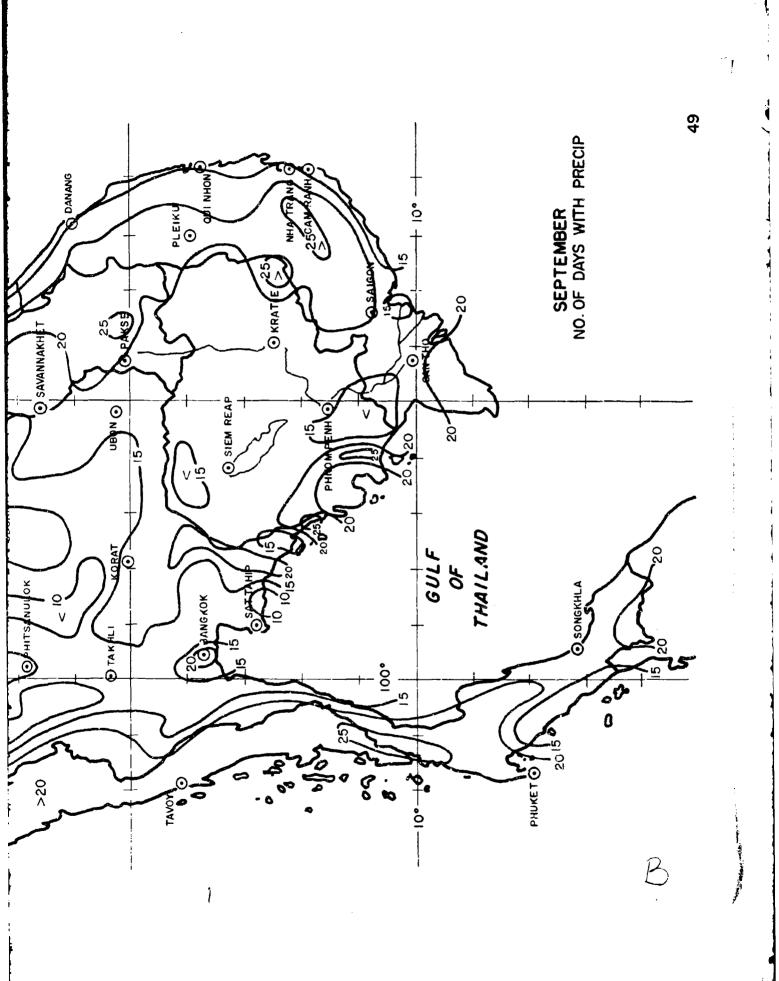


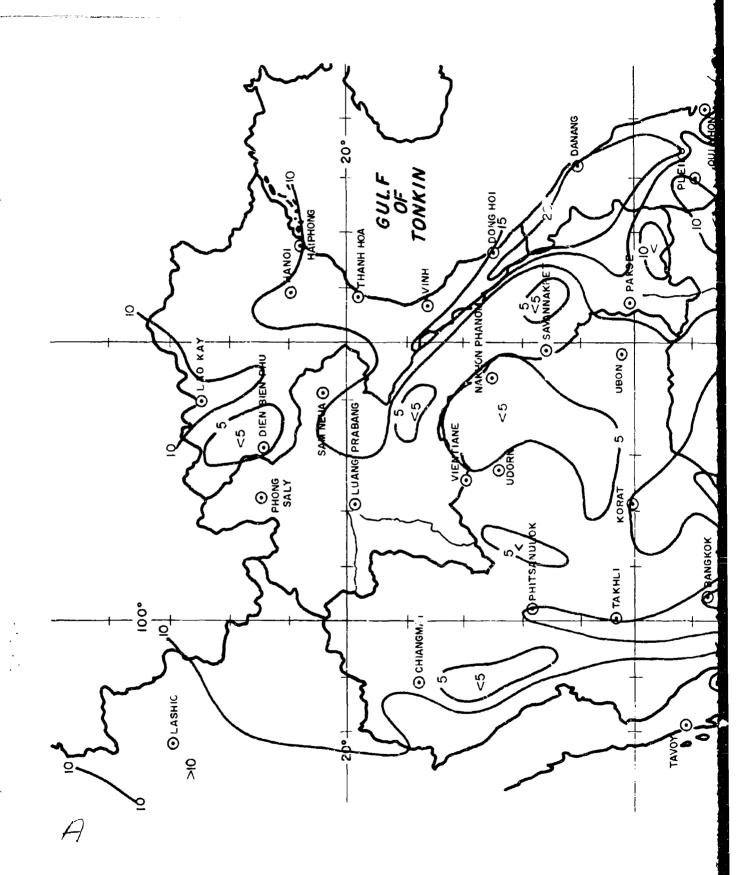


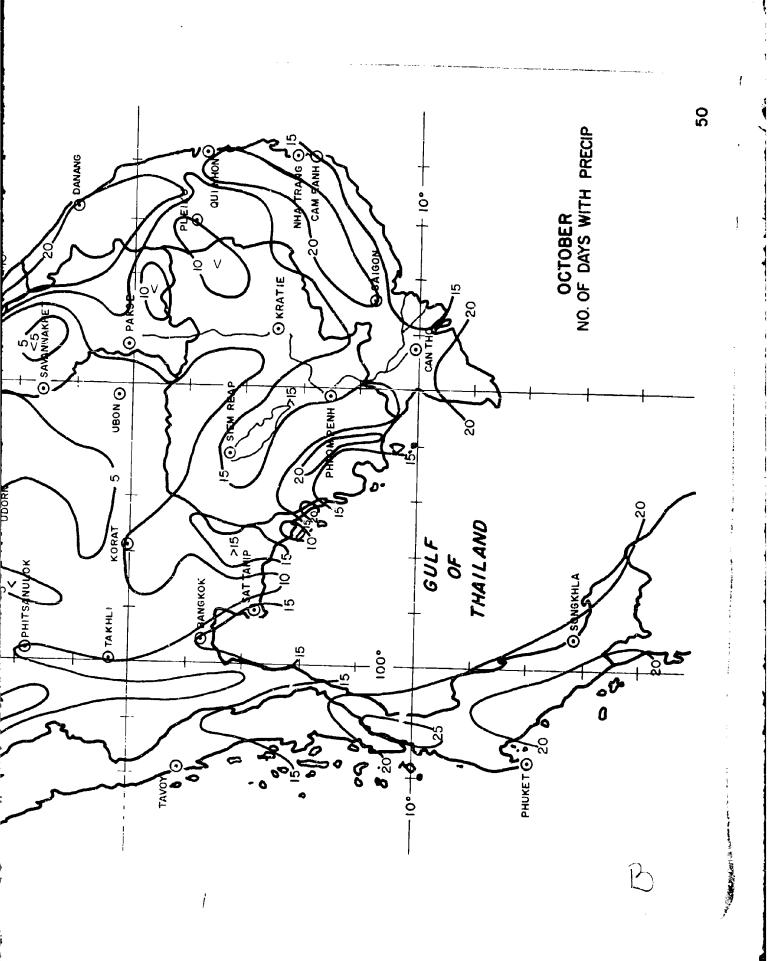
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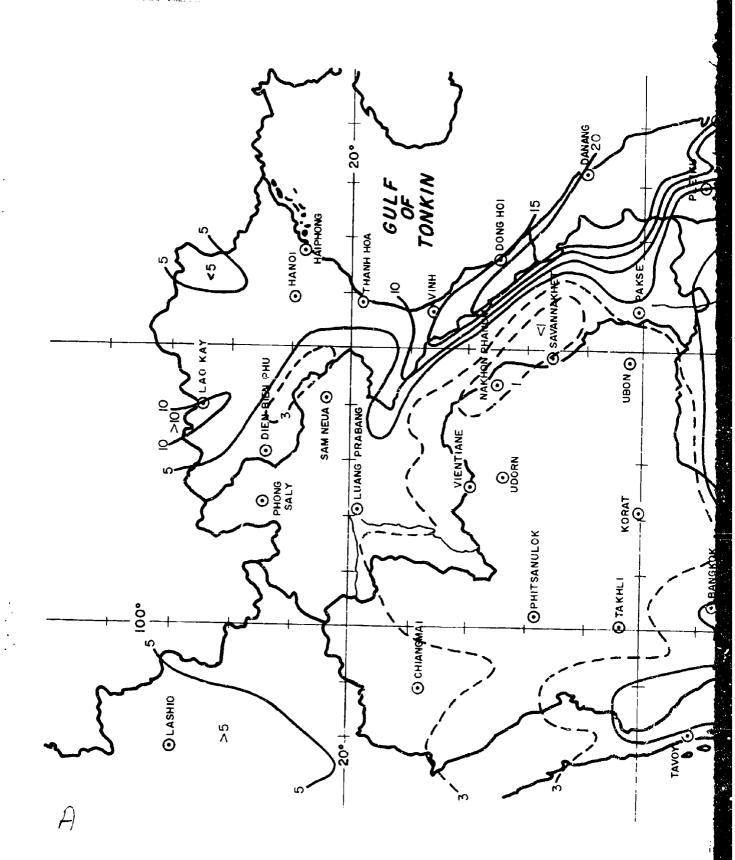


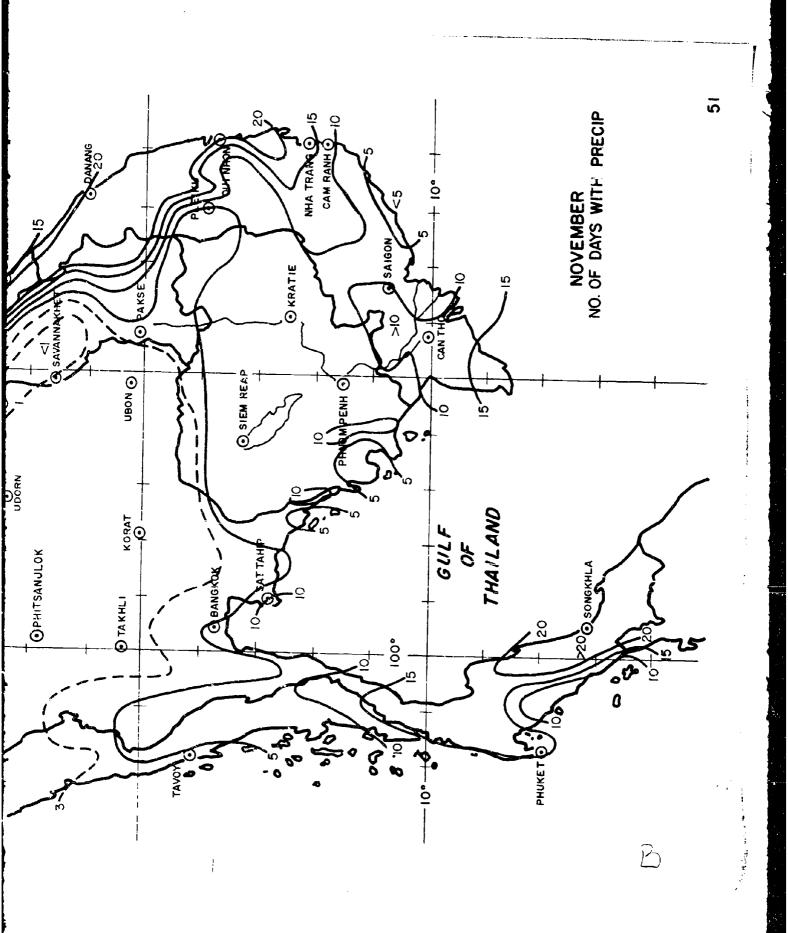


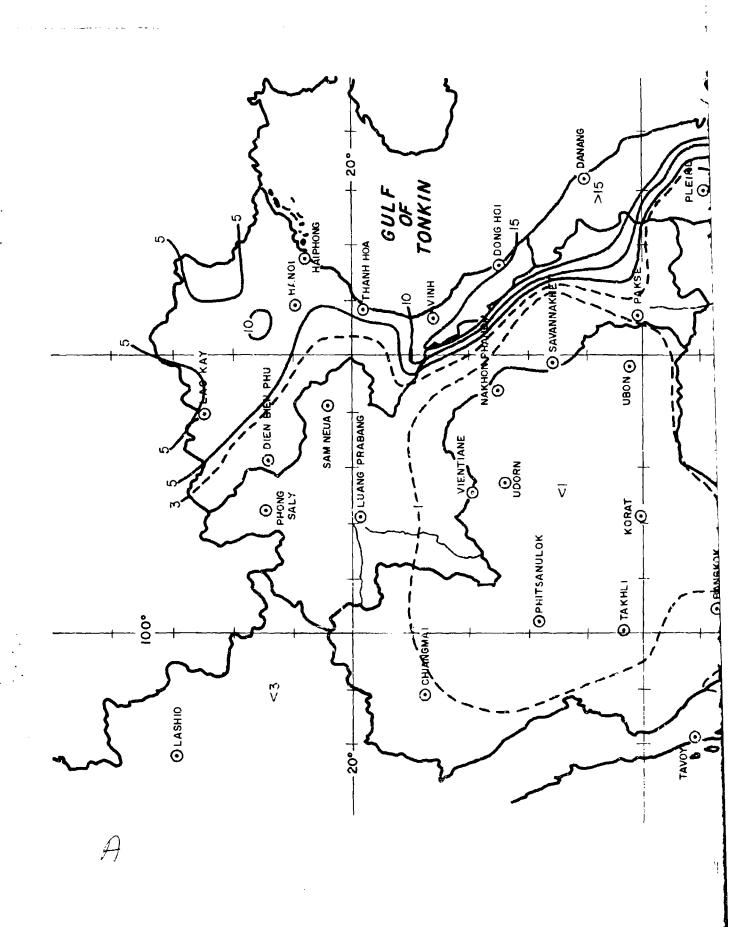


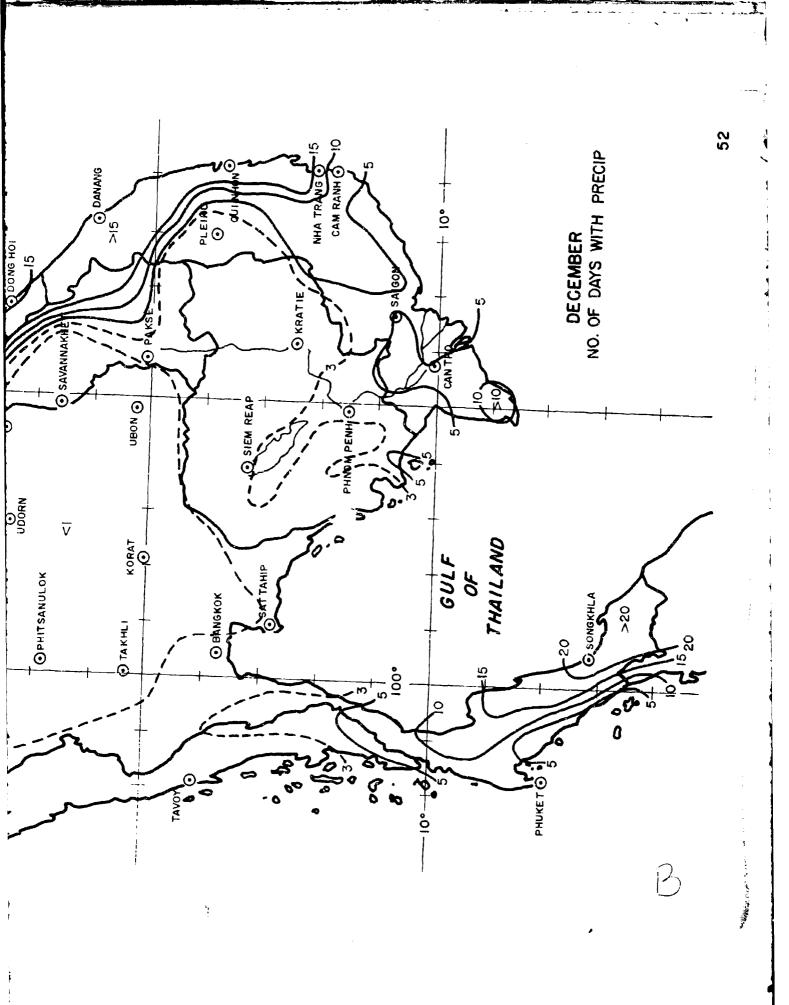






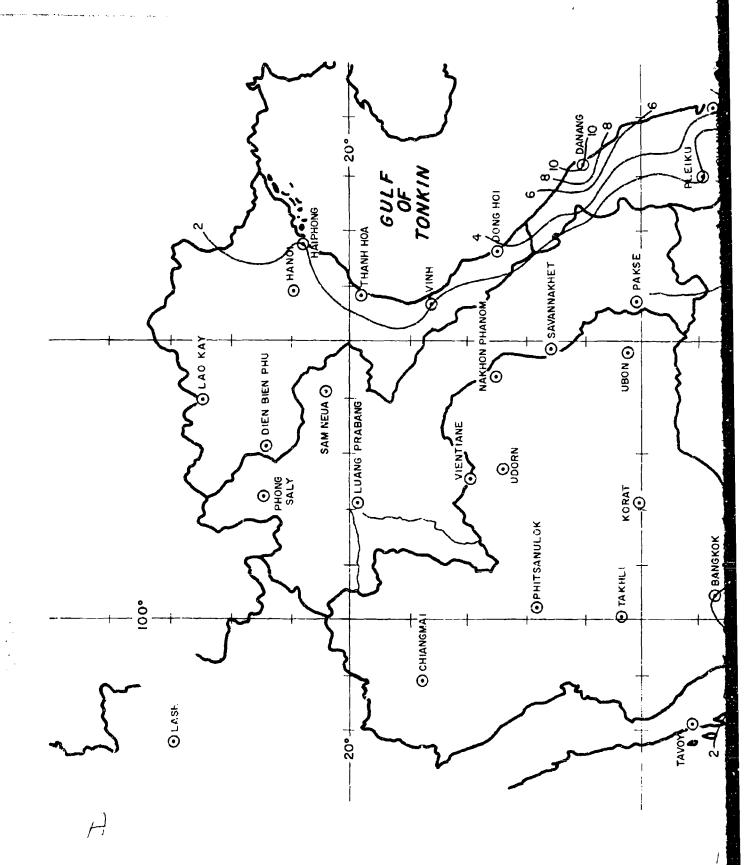


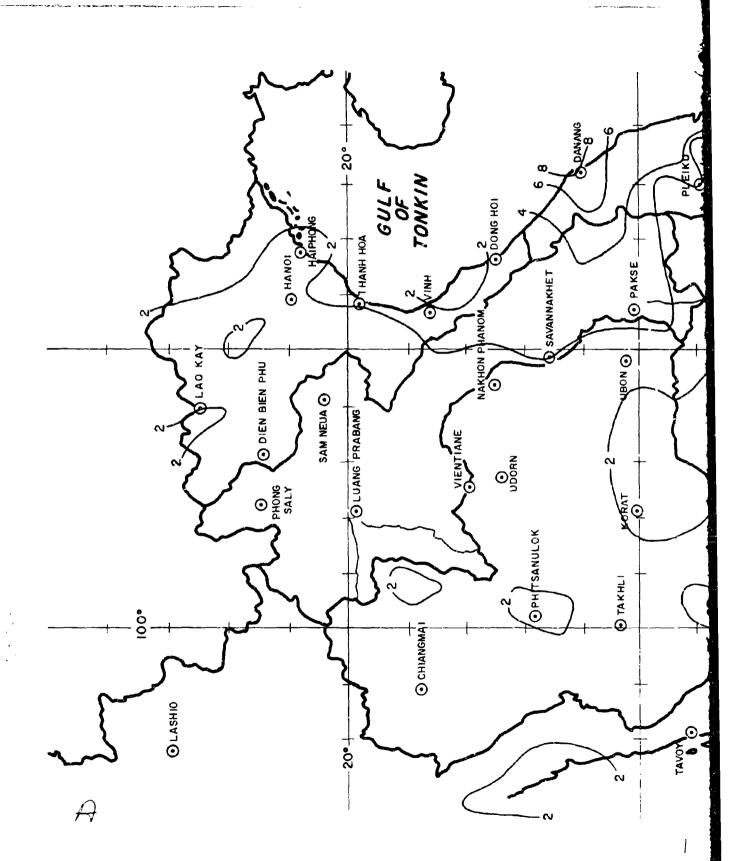


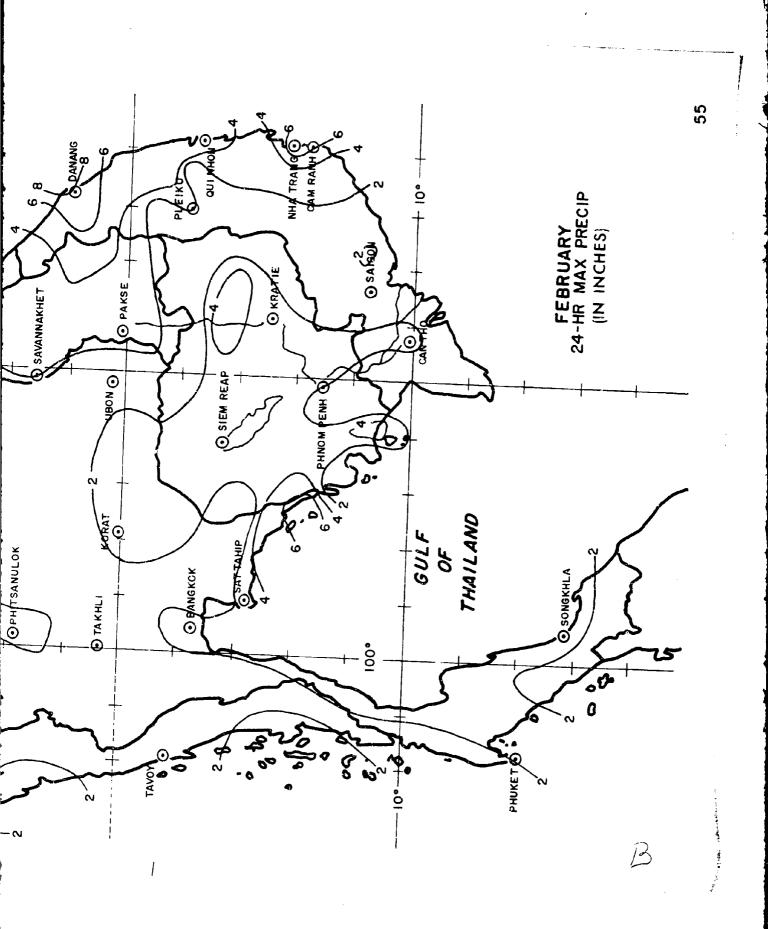


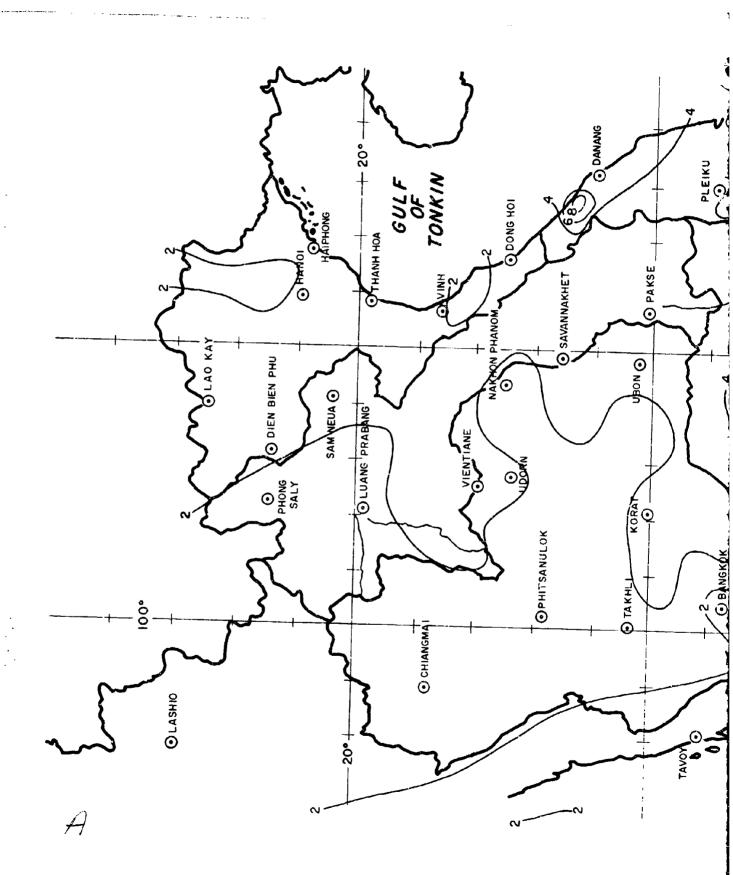
## SECTION V

## MAXIMUM 24-HOUR PRECIPITATION

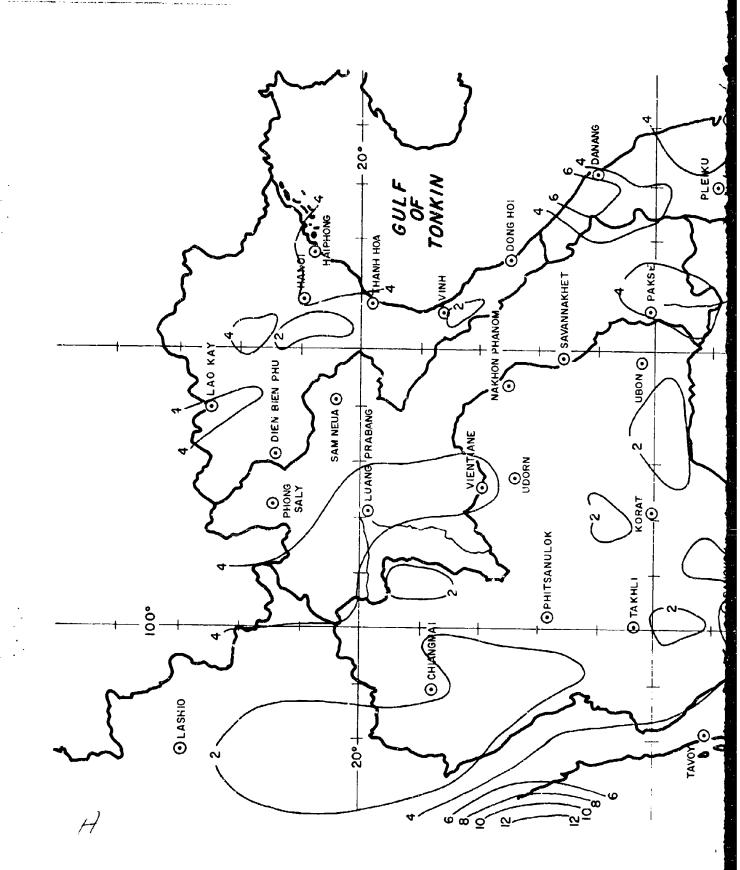


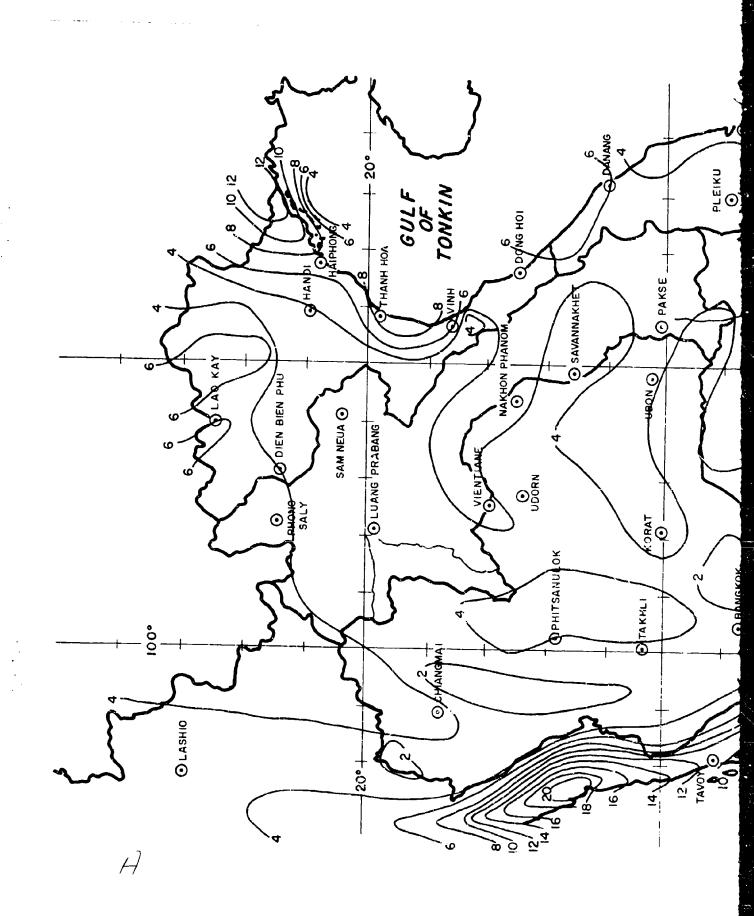


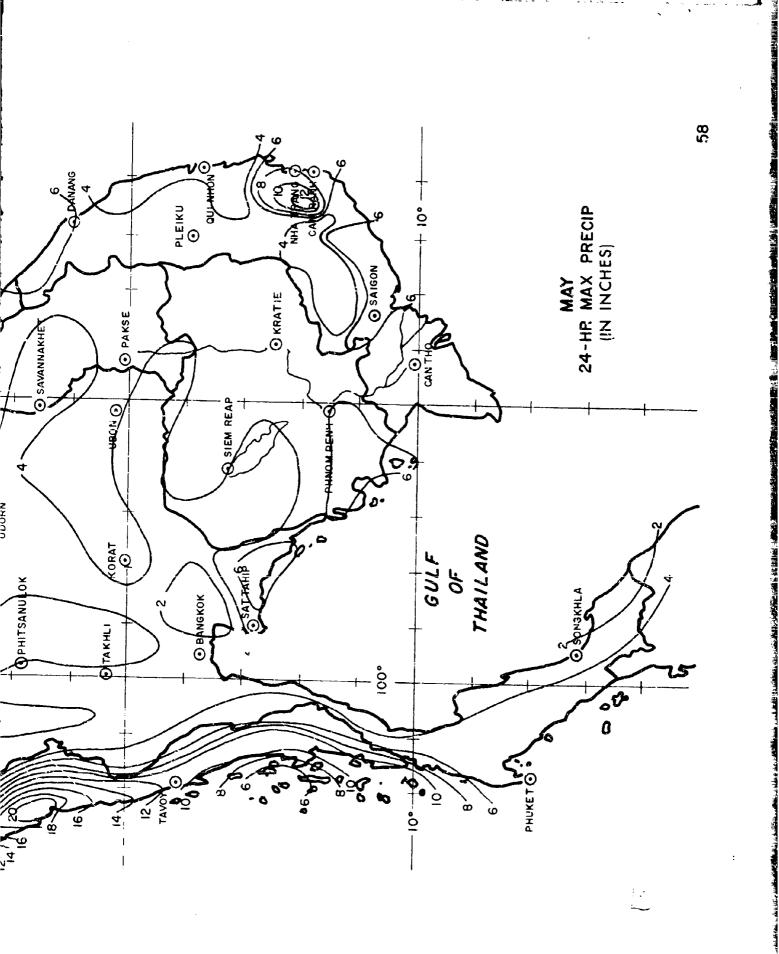


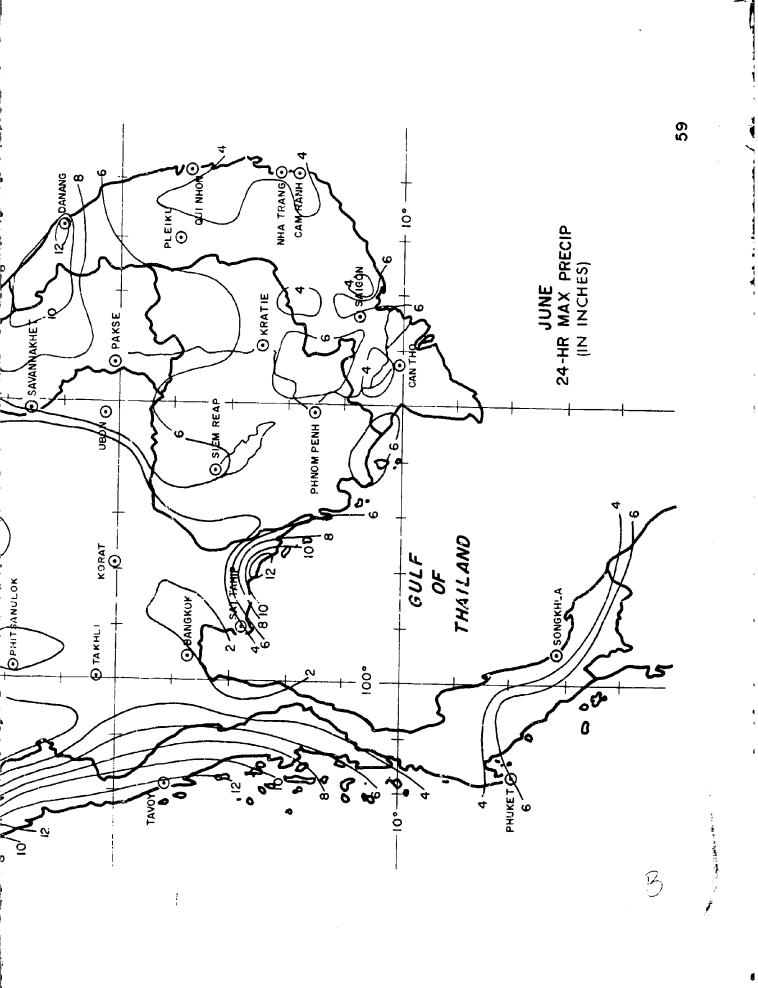


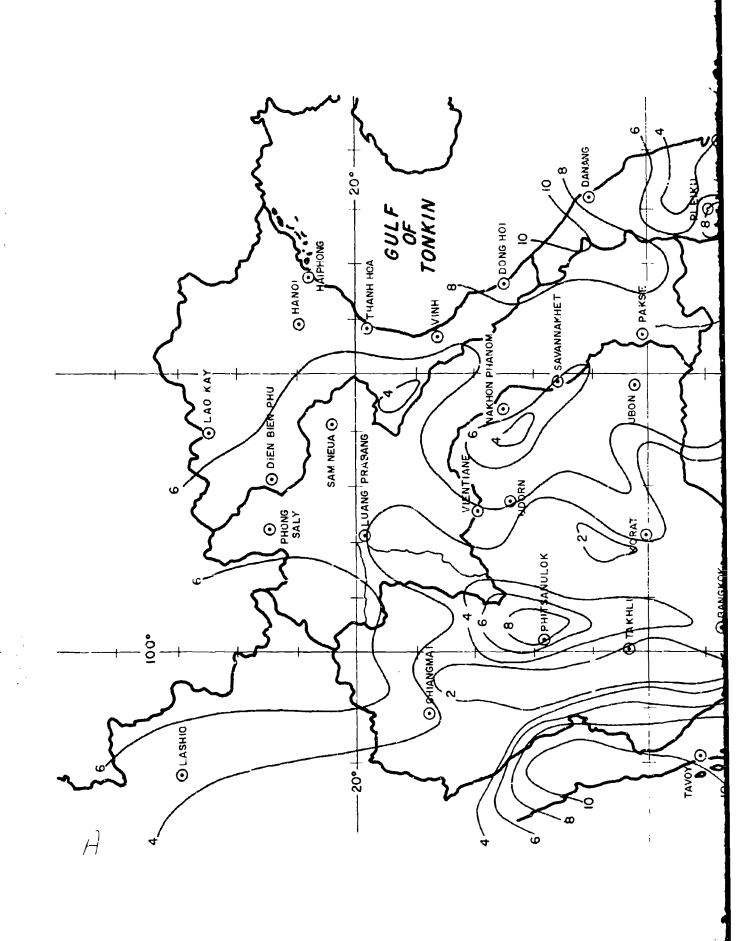
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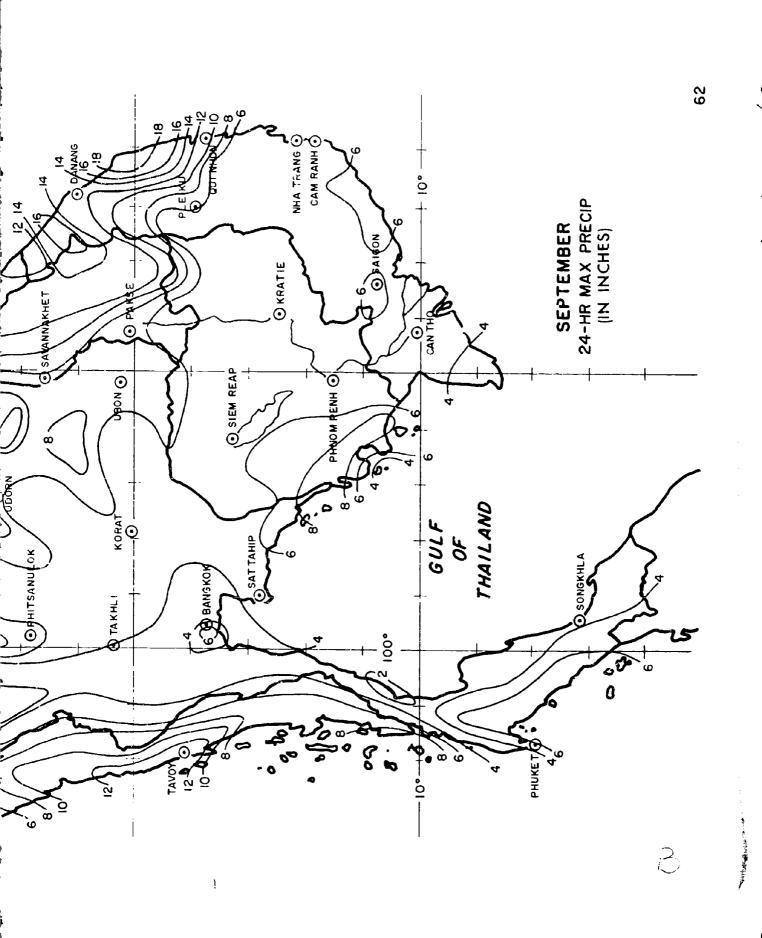


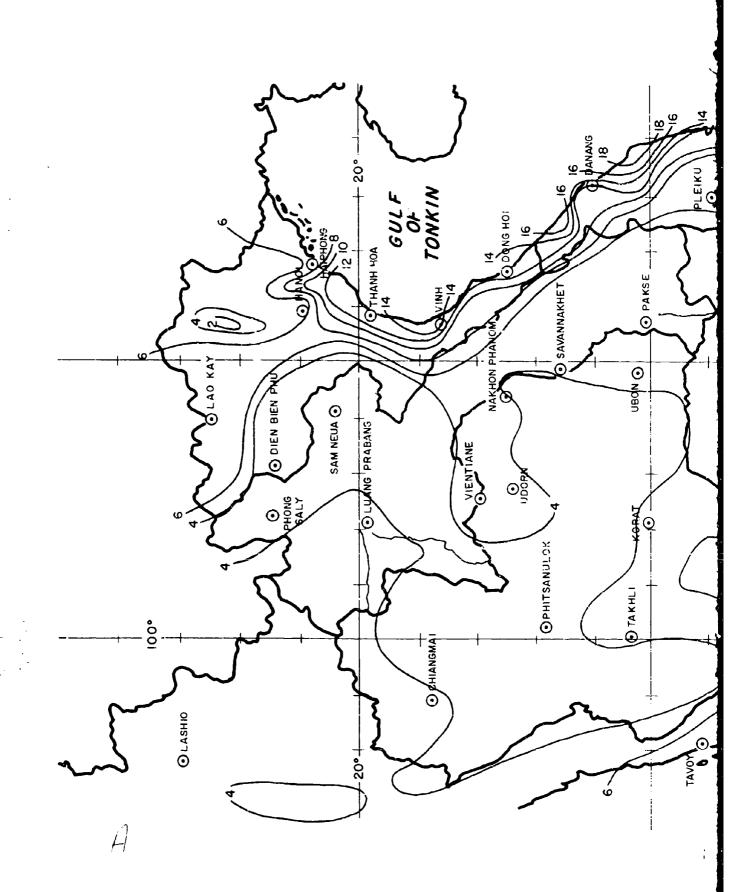


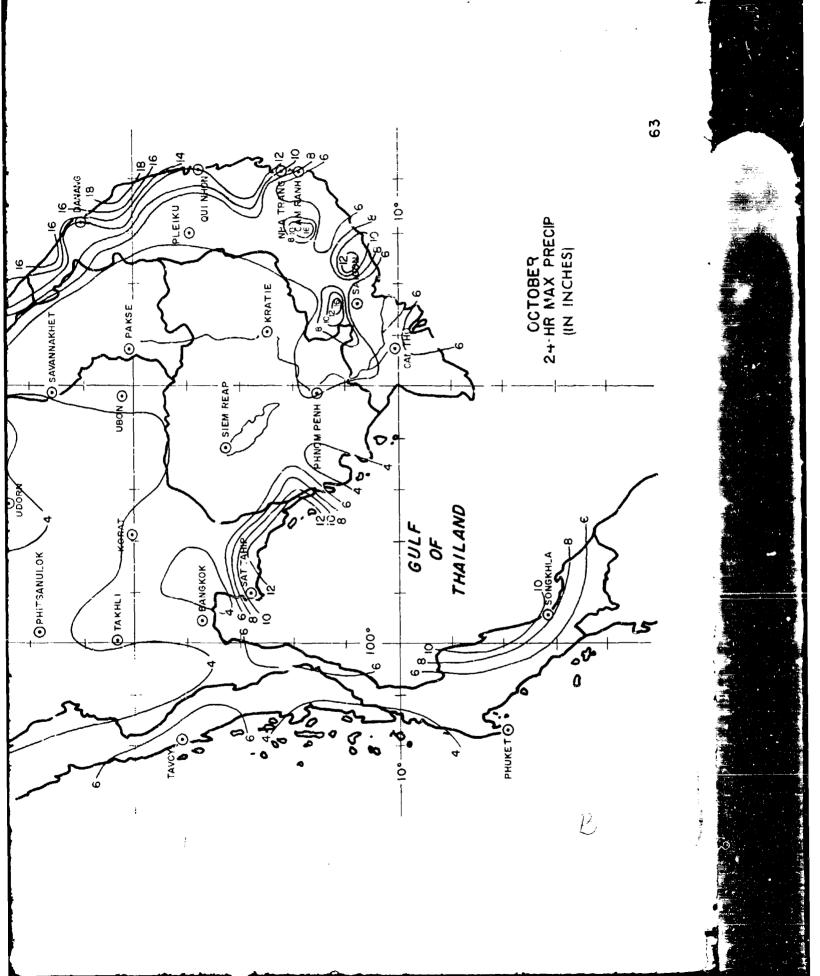


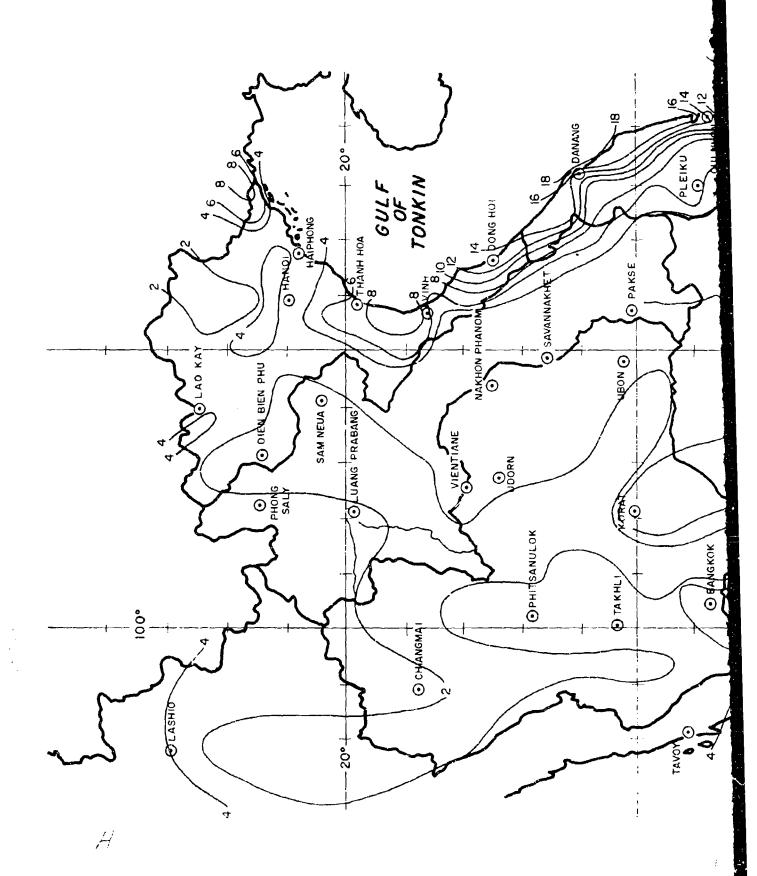


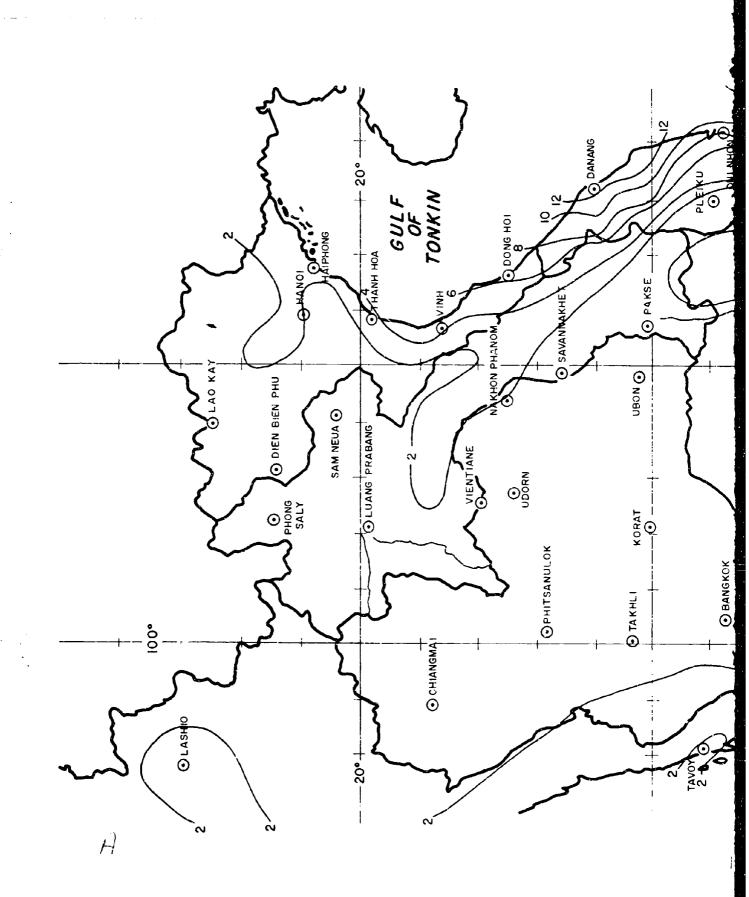






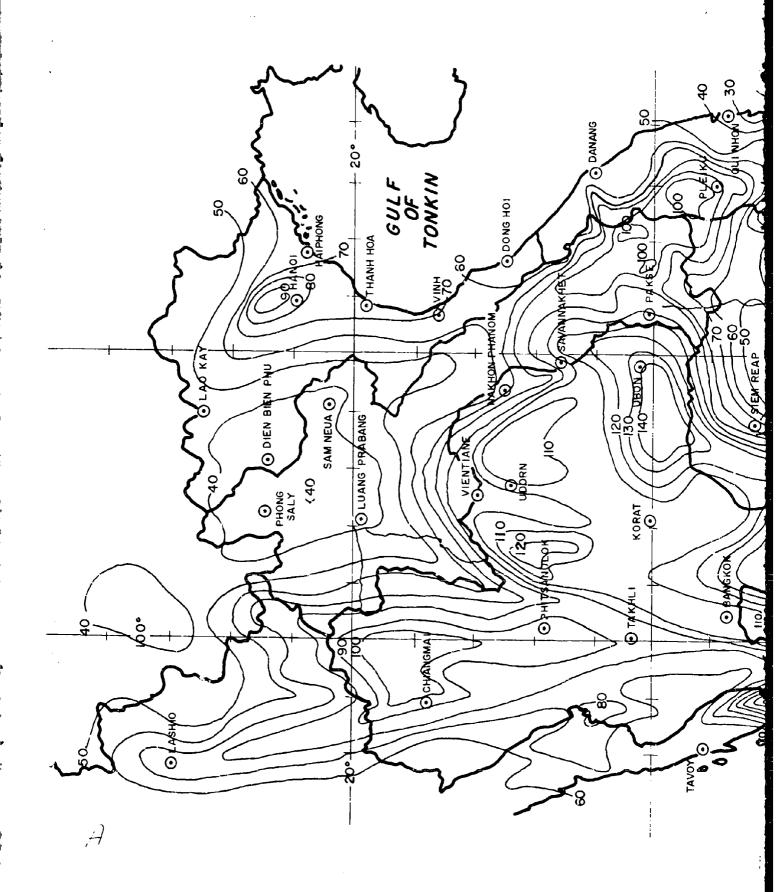


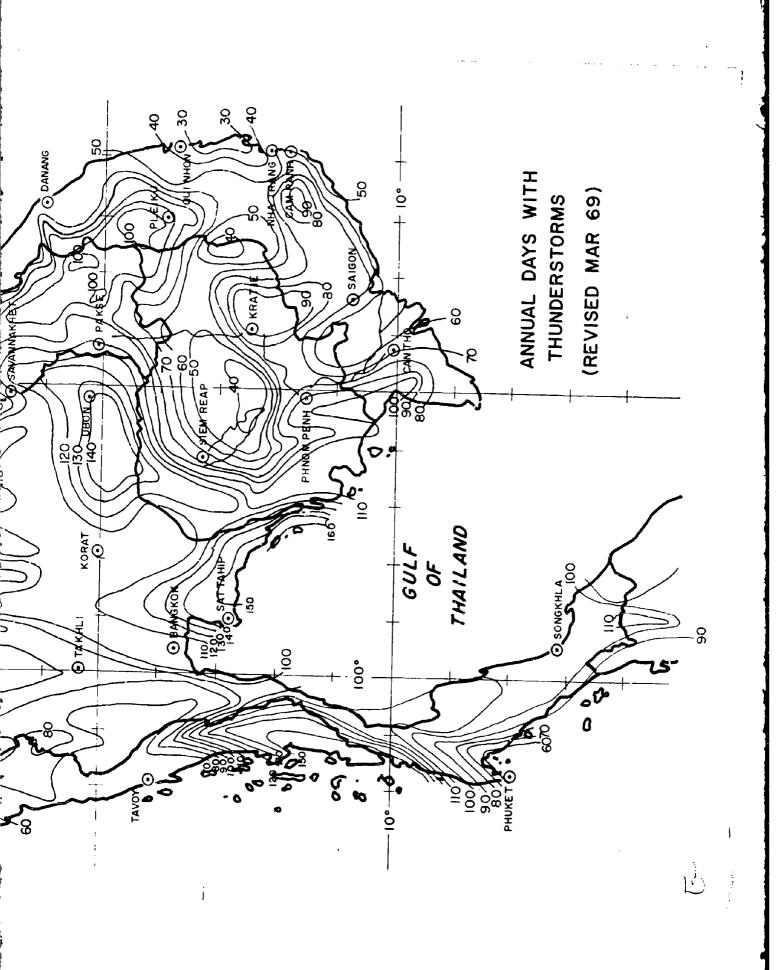


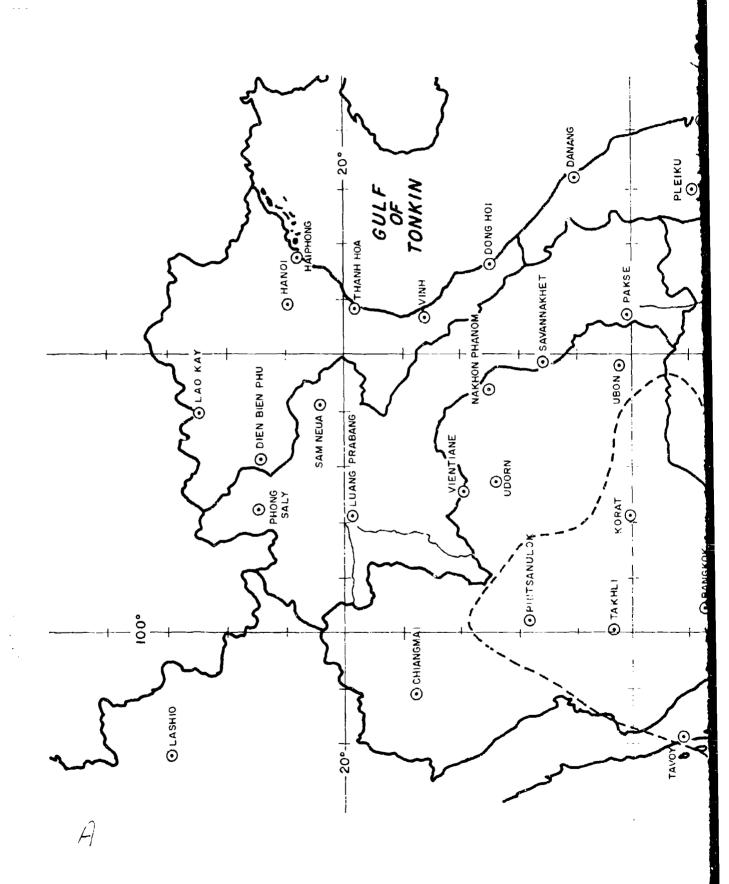


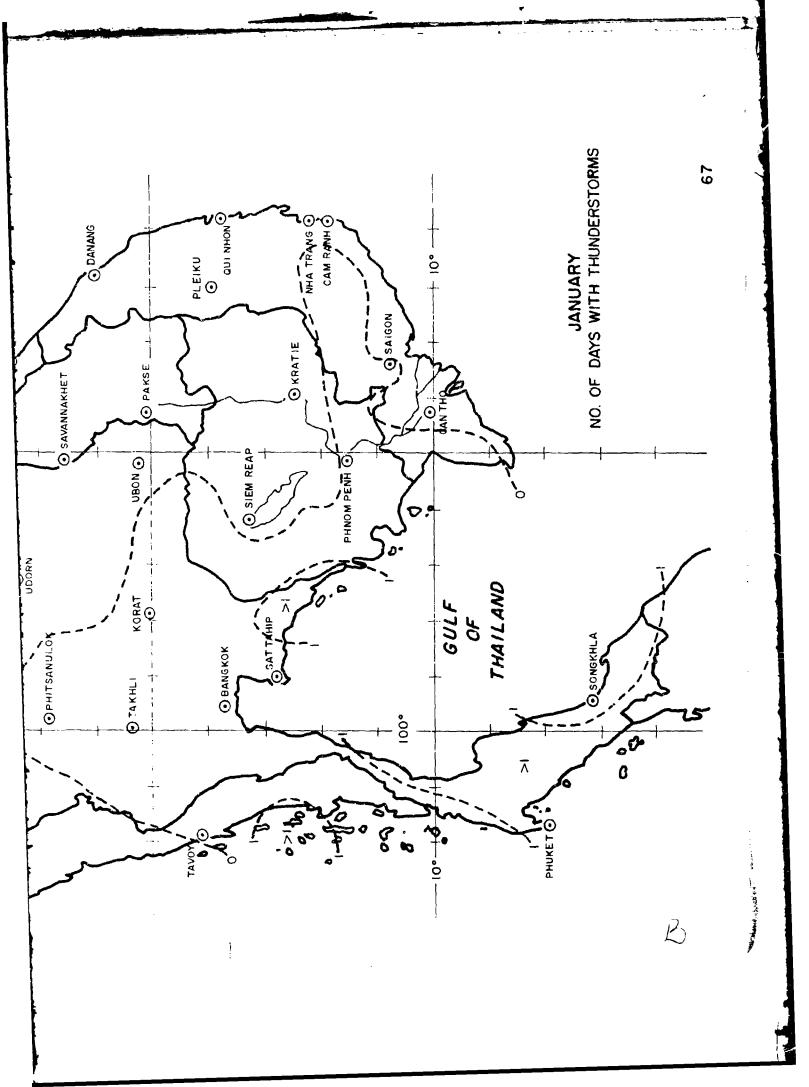
## SECTION VI

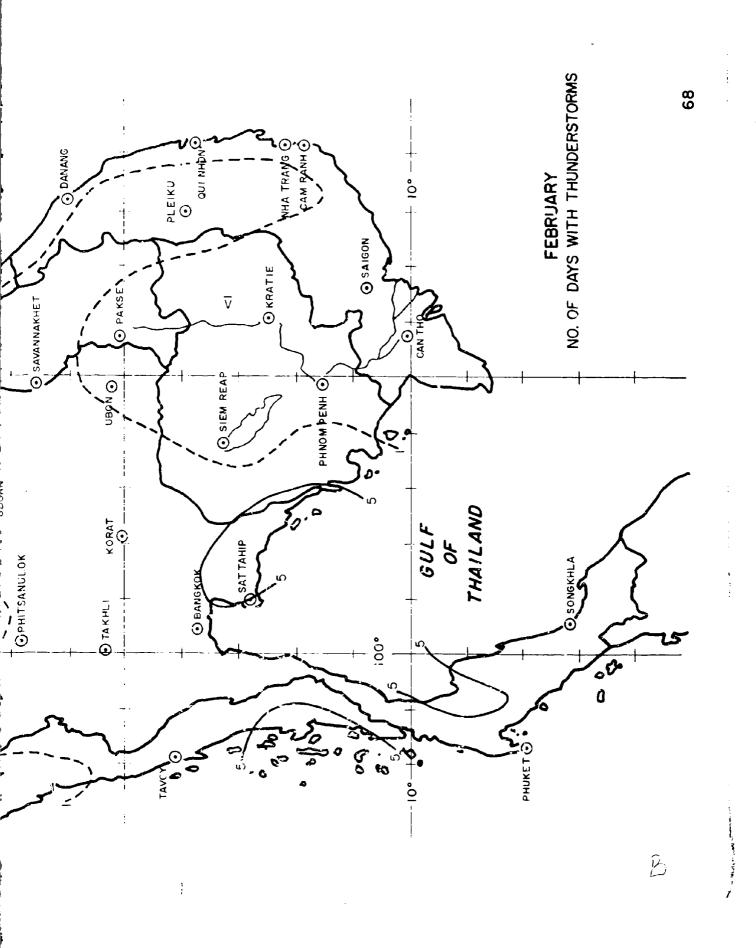
## MEAN NUMBER OF DAYS WITH THUNDERSTORMS

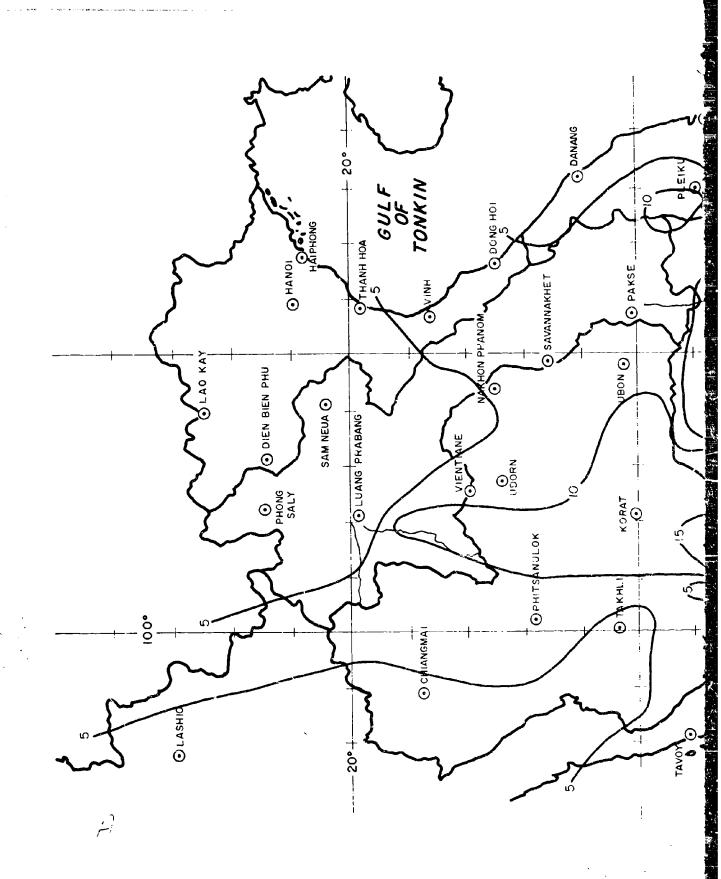


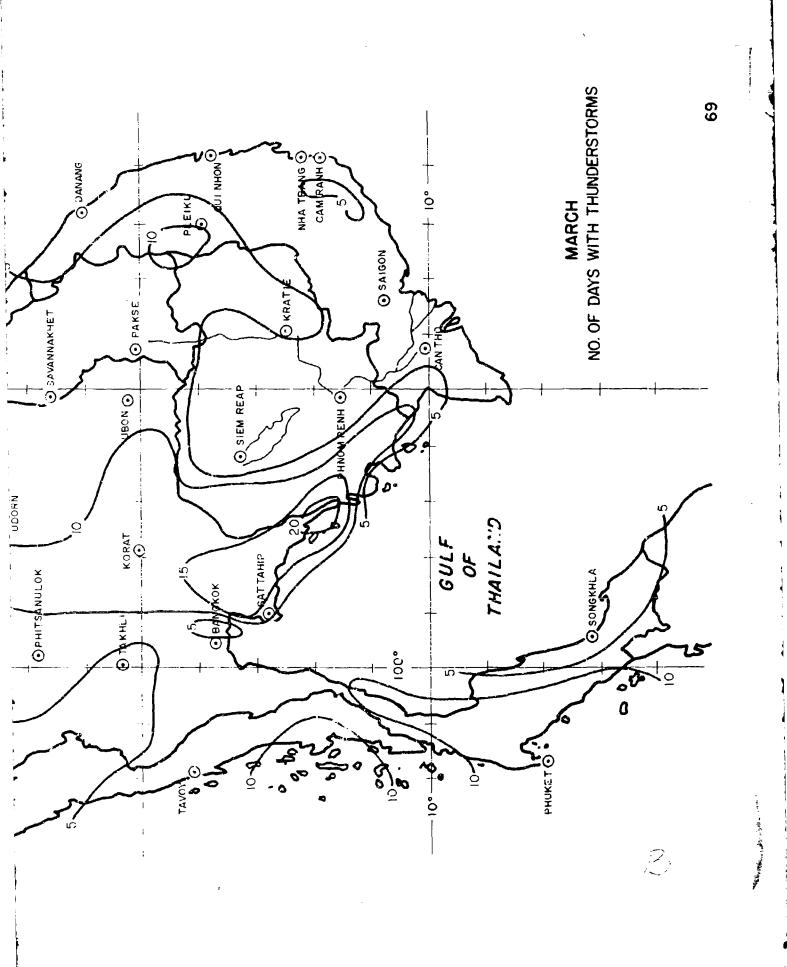


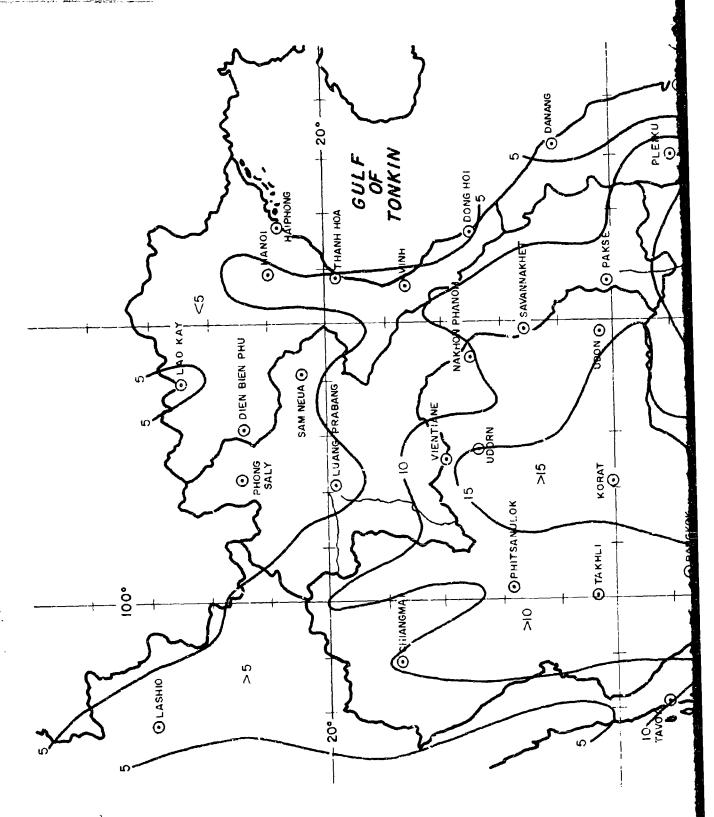




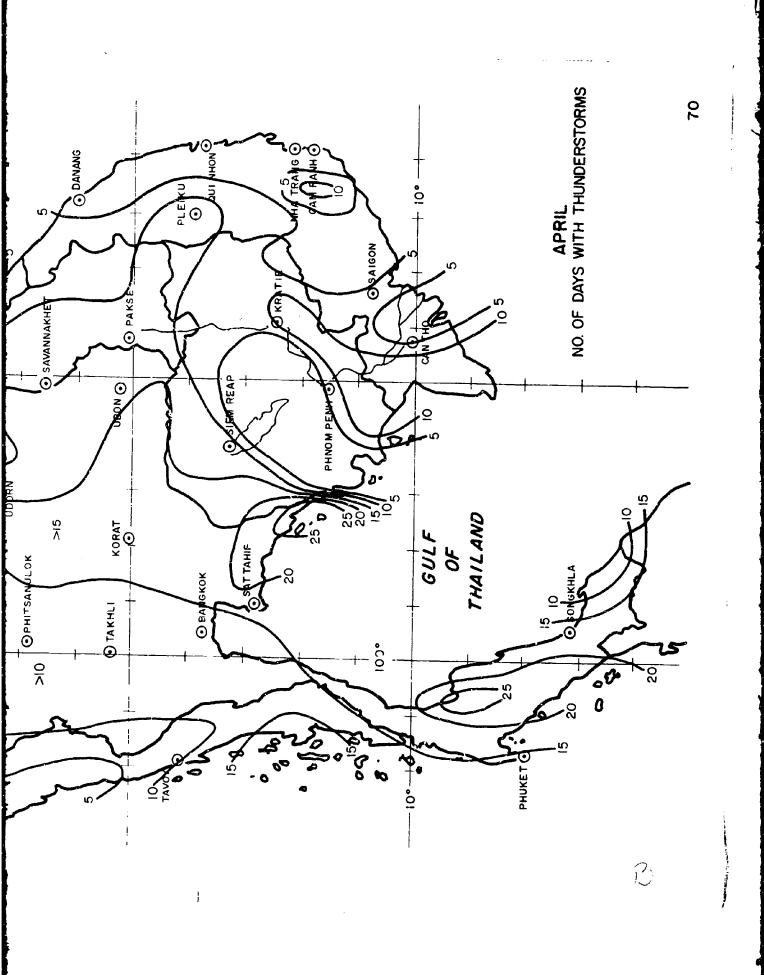


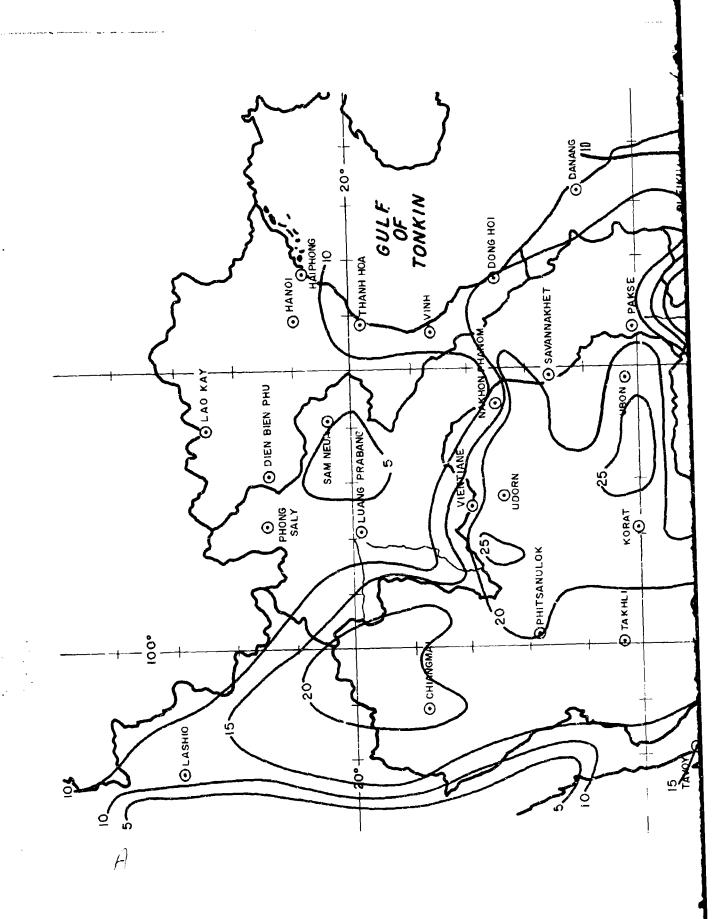


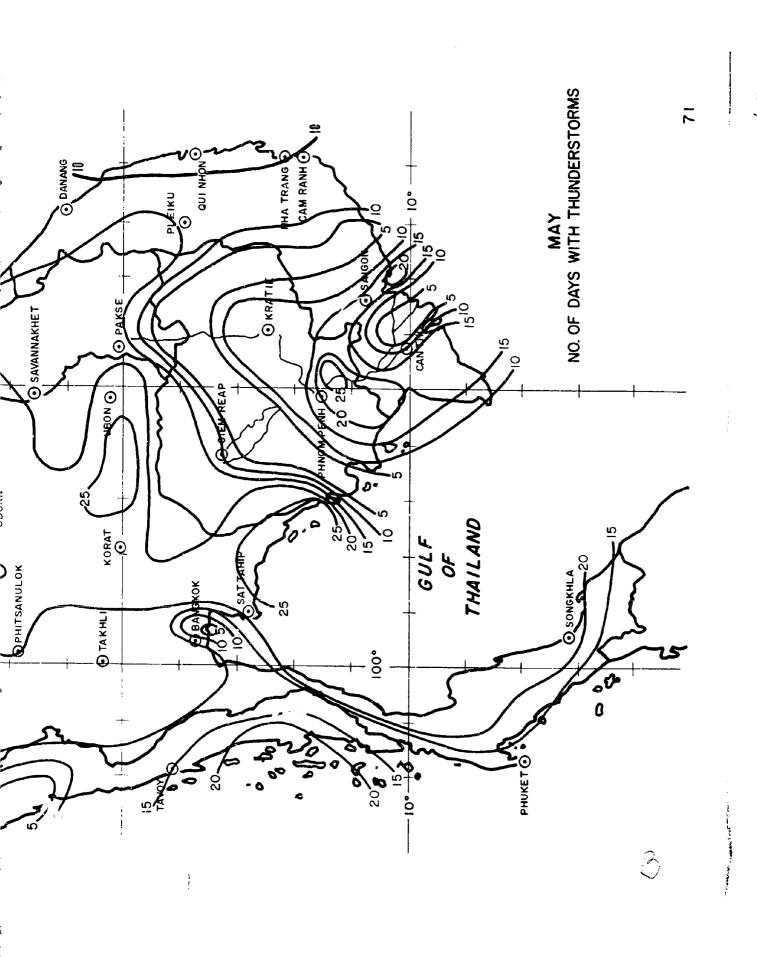


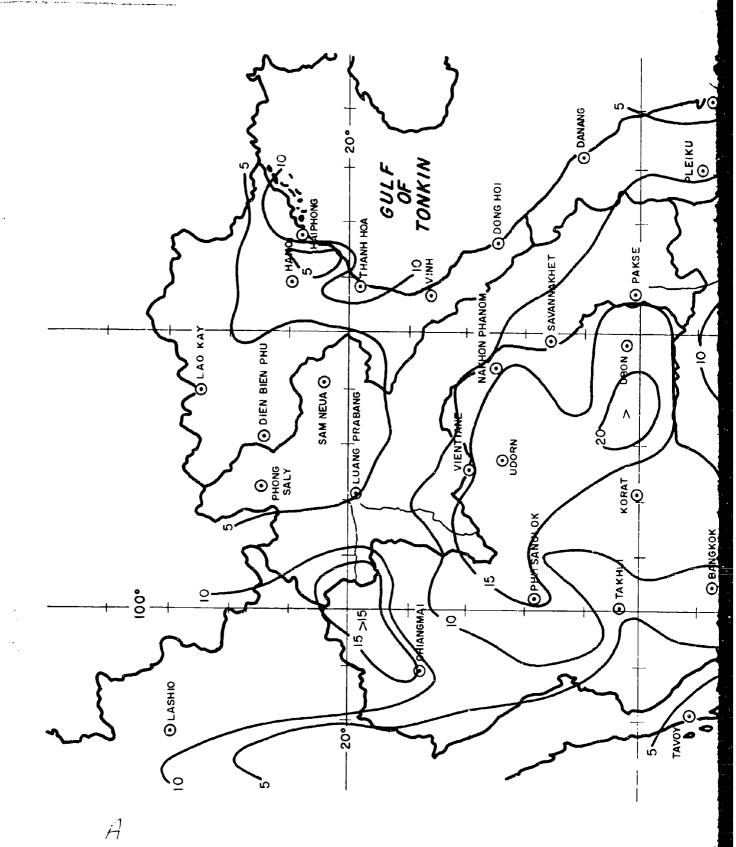


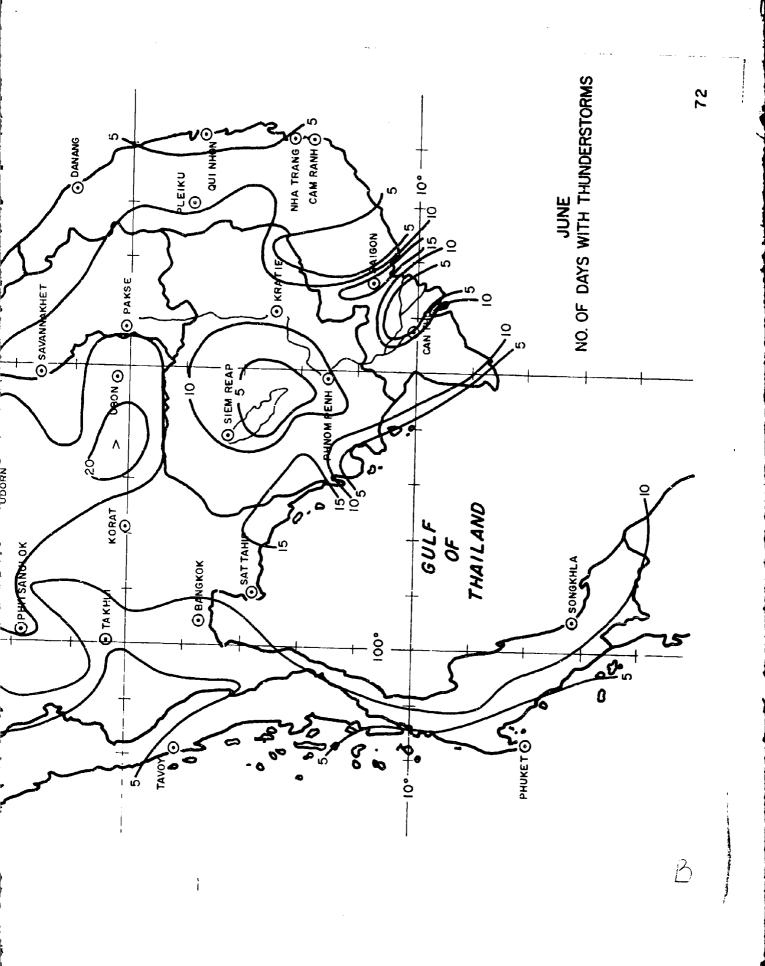
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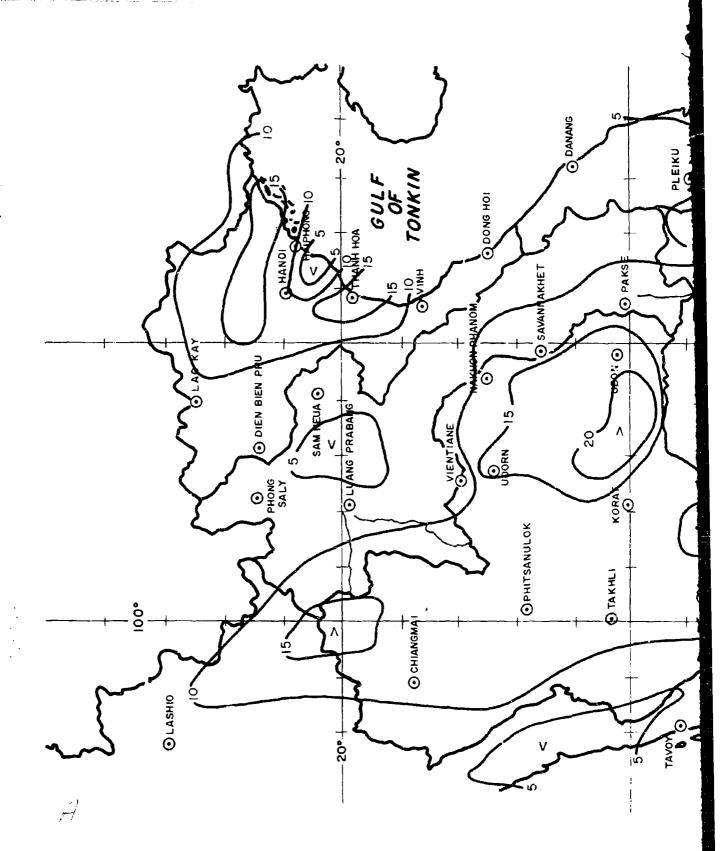


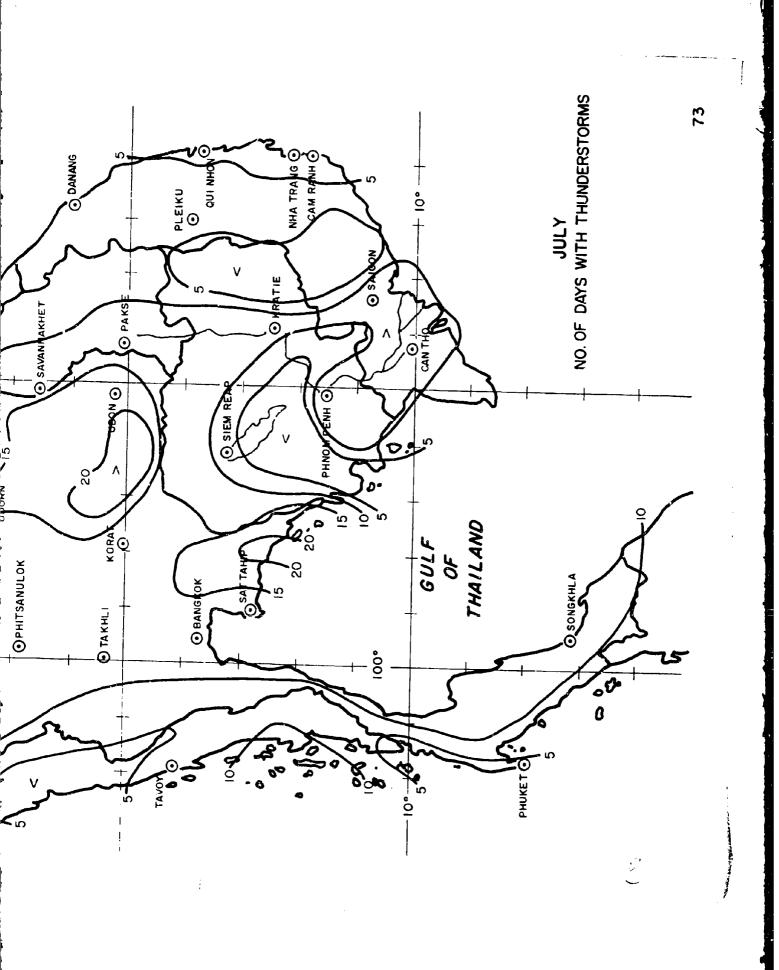


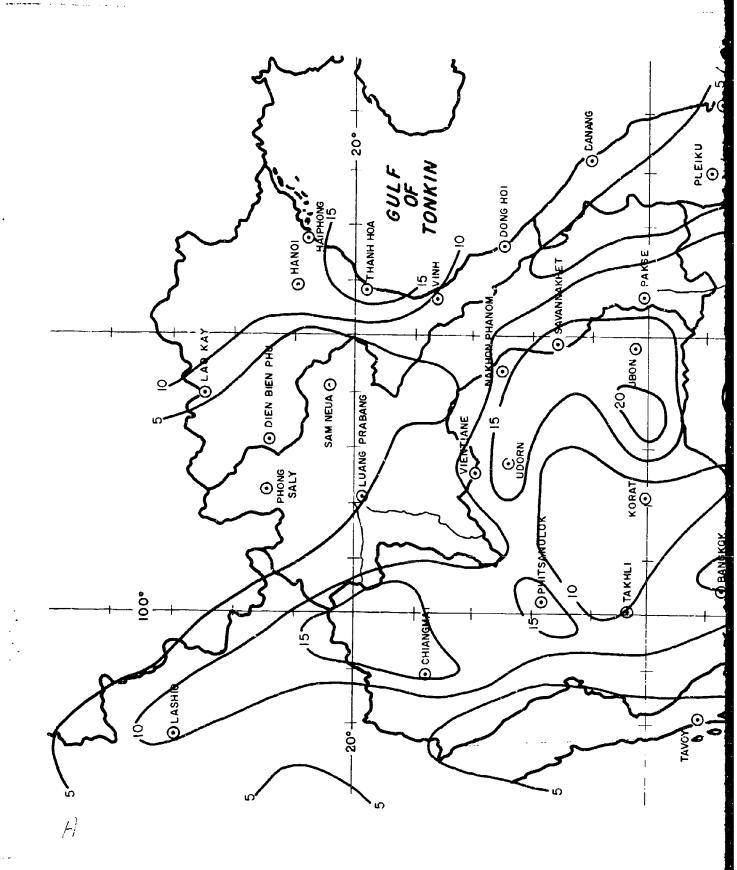


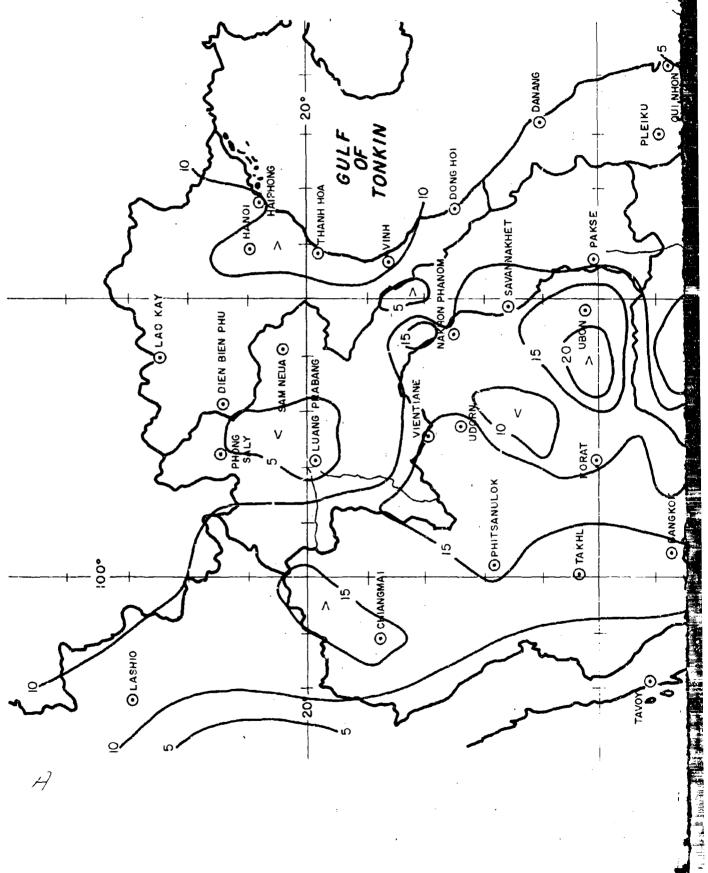


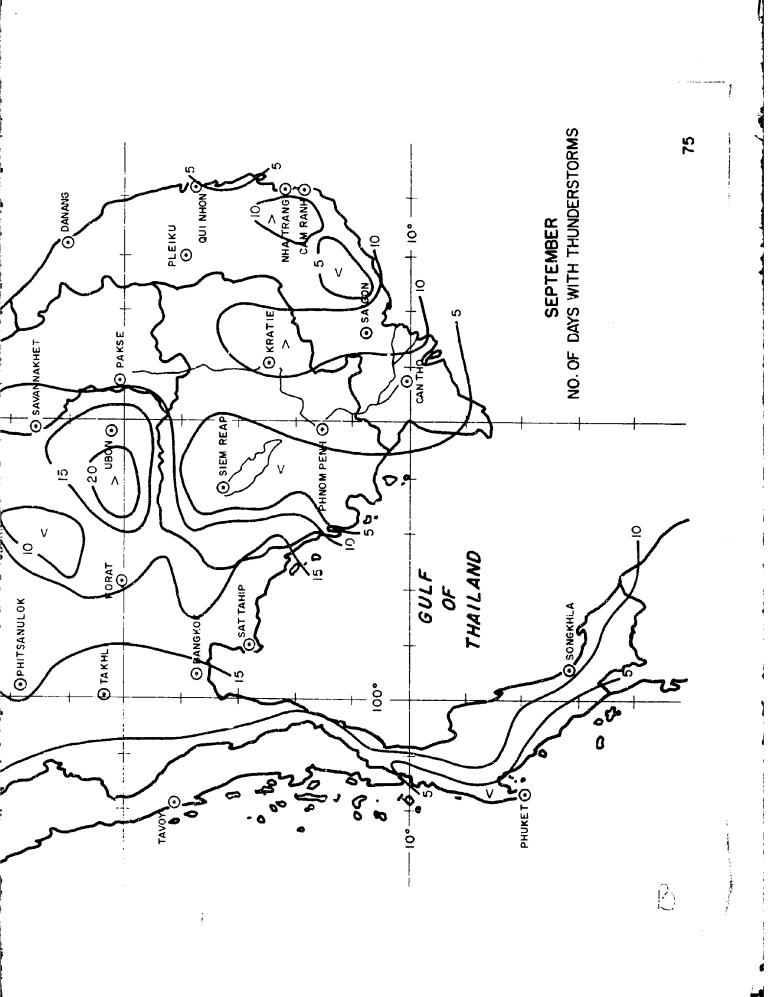


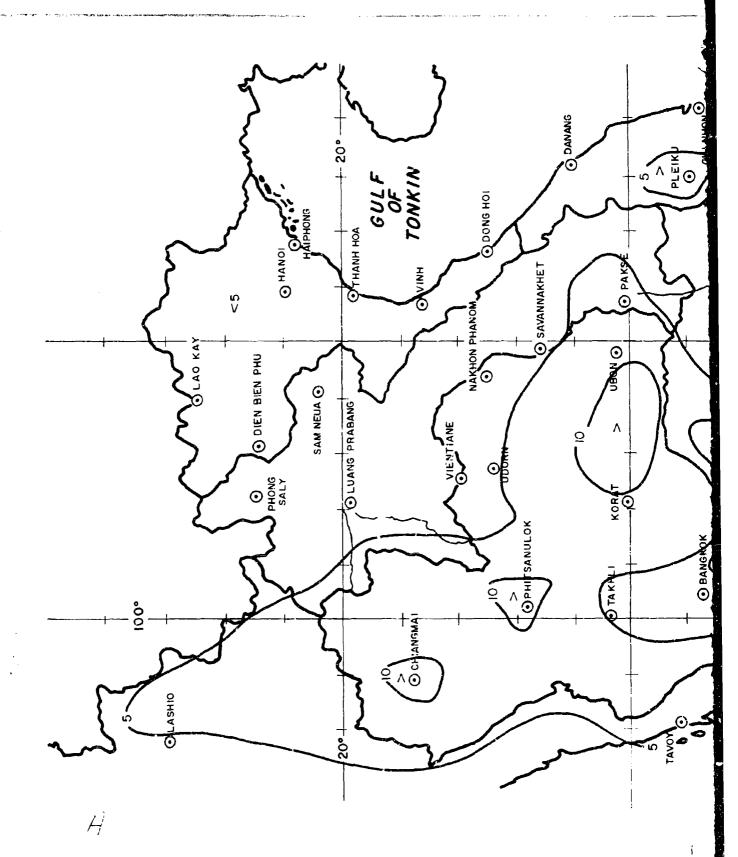


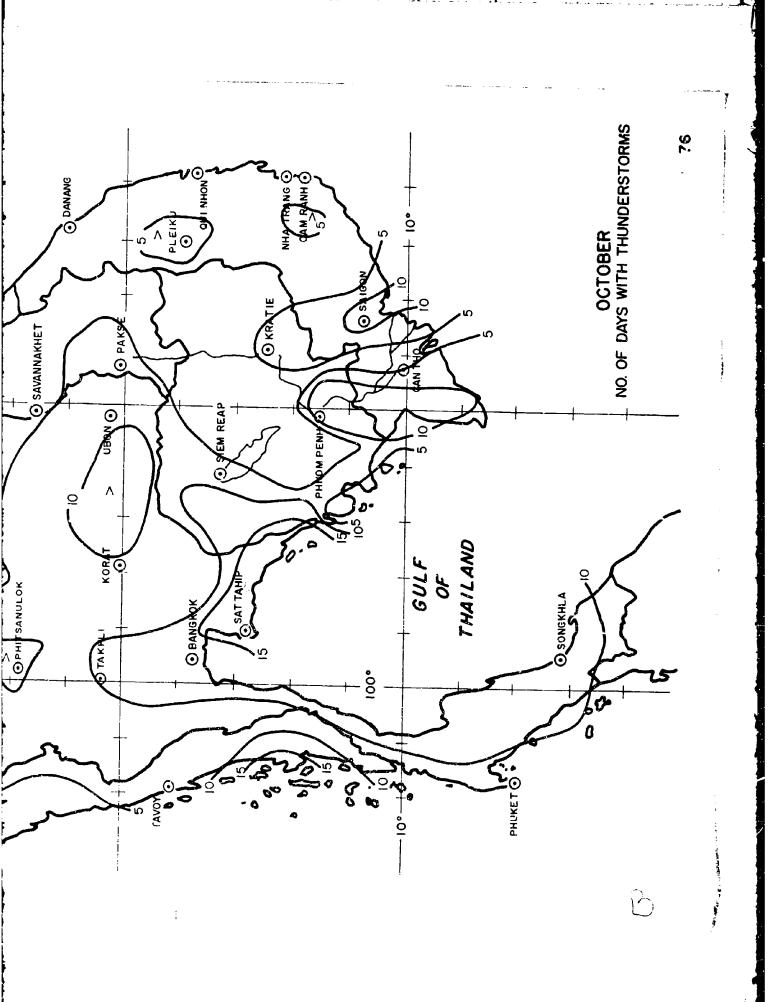


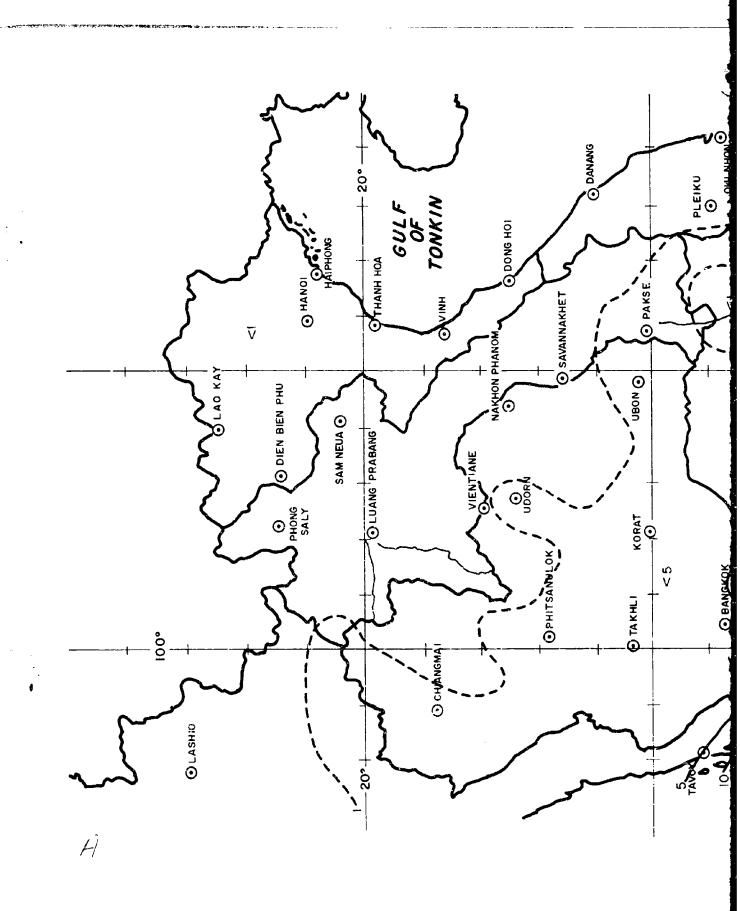


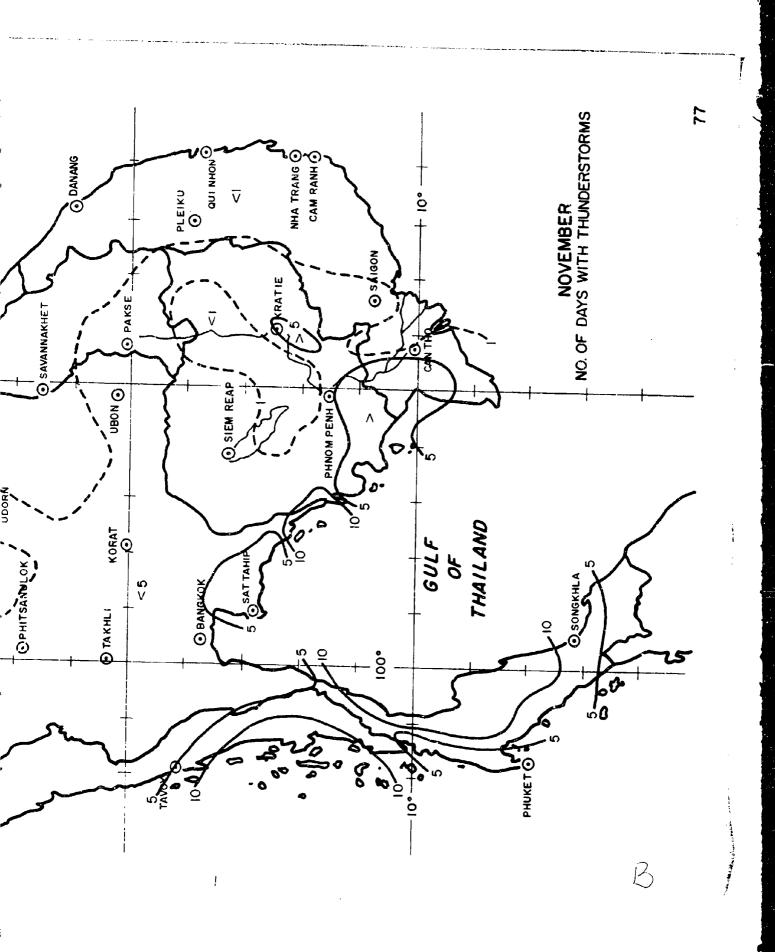


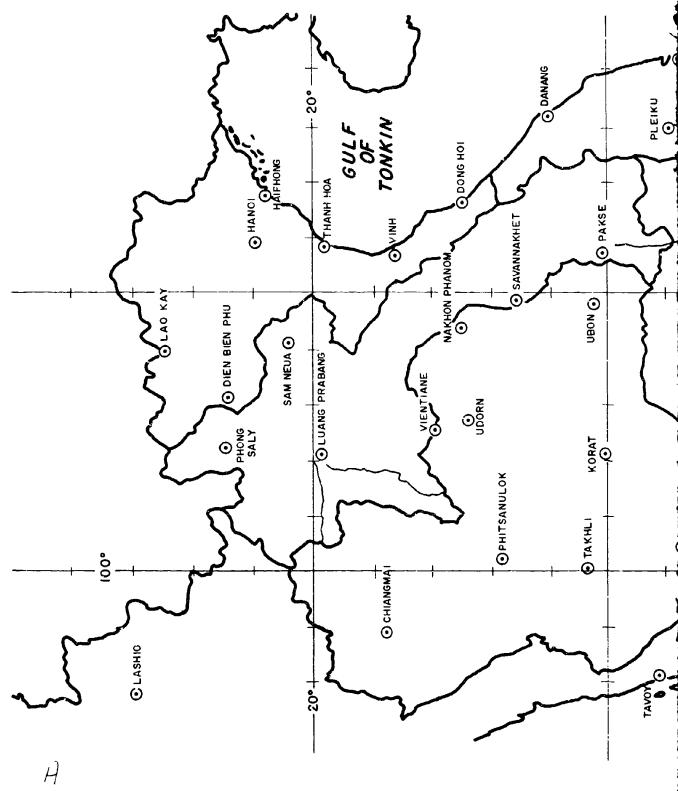


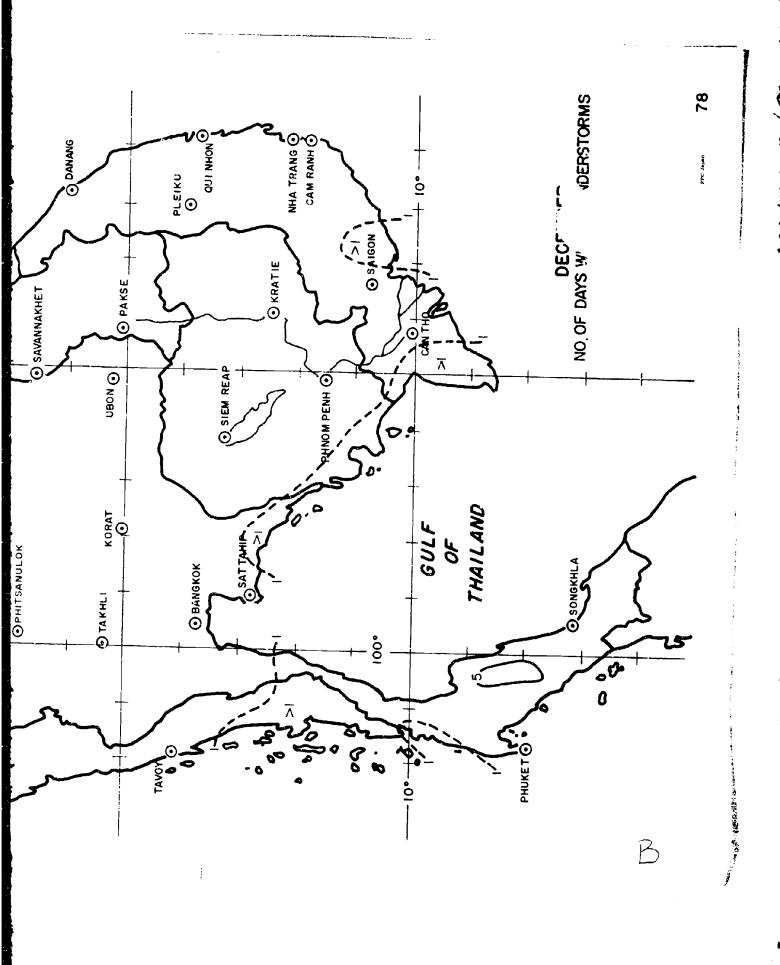












## DEPARTMENT OF THE AIR FORCE HEADQUARTERS 1st WEATHER WING (MAC) APO SAN FRANCISCO 96553



REPLY TO

DNC (CMSgt Dee/443019)

\*AND TECT:

Change 3, 1WWSS 105-11P

OCT 28 1970

INPUT SECTION CLEARINGHOUSE

All Recipients of 1WWSS 105-11P

- 1. The attached sheet contains two corrections which should be made in your copy of lWWSS 105-11P (Southeast Asian Precipitation Analyses).
- 2. Both corrections are in the form of "paste-ons" and are to be made in the section on Thunderstorms. The larger of the two is a correction to the JUNE analysis (p 72) over the southern half of RVN. The smaller is a correction to be made to the NOVEMBER analysis (p 77) along the southwest coast of Cambodia.
- 3. Upon making the corrections, please annotate the page titles to reflect they were revised in September 1970 (Rev 9/70).

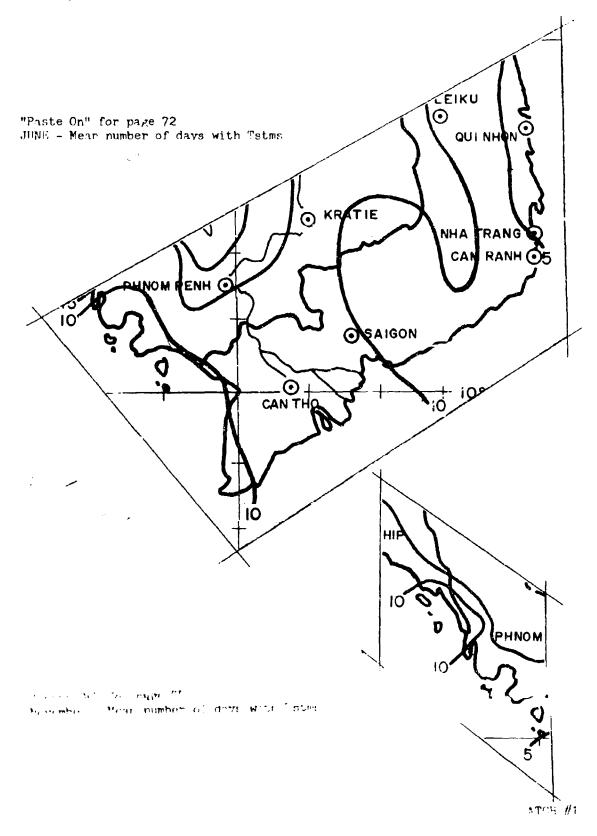
FOR THE COMMANDER

Stanton P. Williams

STANTON R. WITHROW, Lt Col, USAF Chief, Aerospace Sciences Division 1 Atch

"Paste-Ons" to 1WWSS 105-11P

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## DEPARTMENT OF THE AIR FORCE HEADQUARTERS 1st WEATHER WING (MAC) APO SAN FRANCISCO 96553



ATTN OF: DNC (CMSgt Dec/443019)

25 January 1971

SUBJECT: Minor Corrections to 1 WWg Special Studies

TO: All Recipients of 1 WWg Special Studies

The following pen and ink corrections should be made in your copy(s) of the appropriate 1 WWg Special Study:

- a. I wwgss 105-12/2 (Ceiling/Visibility Atlas for SEA 5000/5).
- (1) B ge 78 (Oct 1600L) The closed "90" line in southwestern Cambodia should read "50". The "70" isoline enclosing Bangkok should read "90".
- (3) Page 86 (Nov 1600L) The "90" isoline running through Songkhla in the lower peninsula of Thailand should be "50".

  (3) Page 91 (De 0700L) Same as "2" above.

b. 1WWgSS 105-11P (SEA Precipitation Analyses). Page 26 - Monthly Maximum Precipitation (Dec). In the Gulf of Tonkin the "5"

label just north of Vinh should read "10".

- c. \1WWgSS 105-11/1 (Jamuary Climate of SEA).
- (1) Bage 27 insert to before all numerical values of ceiling and risibil: The last word in perceptaph four should be "evening" instead of "morning".
  - (2) Page 52 (Fig 27) "SARAH 1965" should read "VIOLET 1955".
- d. 1865 105-11 A All 12 issues January through necember. In Charter 2 (Heographic Features), section of (RVN), last sentence of first paragraph change "10761" to read "552h".

FOR THE COMMANDER

Scentin R Wilhour STANTON R. WITHROW, Lt Col, USAF

Chief, Aerospace Sciences Division